

GenCore version 5.1.1.6
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OM protein - protein search, using sw model

Run on: December 29, 2004, 00:33:10 ; Search time 210 Seconds
(without alignments)
865.802 Million cell updates/sec

Title: US-09-403-882A-2
Perfect score: 1622
Sequence: 1 MAEVKLBSSGGGLVQPGGR.....VVLTIISLIILMLWQKPKR 316

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1825181 seqs, 575374646 residues

Total number of hits satisfying chosen parameters: 1825181

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 65000 summaries

Database : UniProt_02.*

1: uniprot_sprot.*

2: uniprot_trembl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	853.5	52.6	298	2	Q9QYF0
2	850	52.4	255	2	Q6KB05
3	850	52.4	255	2	CAG34081
4	695	42.8	241	2	Q921A6
5	658	40.6	243	2	Q7TQM2
6	608.5	37.5	218	2	Q925S1
7	543	33.5	485	2	Q6PDB8
8	543	33.5	485	2	AAB58814
9	542	33.4	473	2	Q91Z05
10	535	33.0	136	1	HV16_MOUSE
11	507	31.3	107	1	KV6F_MOUSE
12	506	31.2	107	1	KV6H_MOUSE
13	502	30.9	107	1	KV6I_MOUSE
14	500	30.8	107	1	KV6G_MOUSE
15	498	30.7	112	2	Q8K1F0
16	494	30.5	107	1	KV6J_MOUSE
17	491	30.3	235	2	Q91W12
18	484.5	29.9	487	2	Q99KA4
19	483	29.8	134	2	Q9VDD0
20	480.5	29.6	471	2	AAH24289
21	480	29.6	112	2	Q8K1F2
22	473.5	29.2	464	2	Q6MZU6
23	473.5	29.2	464	2	CAE45931
24	473	29.2	472	2	Q6N089
25	473	29.2	472	2	CAE45781
26	468.5	28.9	473	2	Q6MZV7
27	468.5	28.9	473	2	CAE45920
28	462.5	28.5	113	2	Q9UL90
29	462	28.5	178	2	Q6P181
30	462	28.5	478	2	AAH41037
31	462	28.5	613	2	Q8WUK1

32	461	28.4	112	2	Q8K1F3	Q8klf3 mus musculus
33	459	28.3	470	2	Q6PJA4	Q6pia4 homo sapien
34	459	28.3	470	2	AAH18747	AAh18747 homo sapi
35	458	28.2	111	2	AAH10981	AAh10981 mus muscu
36	458	28.2	111	2	AAH10982	AAh10982 mus muscu
37	458	28.2	114	2	Q8K1F1	Q8klf1 mus musculus
38	457	28.2	108	2	AAH11048	AAh11048 mus muscu
39	454.5	28.0	437	2	Q9R1A4	Q9r1a4 mus musculus
40	454.5	28.0	597	2	Q96BB9	Q96bb9 homo sapien
41	453	27.9	92	2	AAH11066	AAh11066 mus muscu
42	452.5	27.9	119	2	Q920E7	Q920e7 mus musculus
43	451.5	27.8	479	2	AAH06402	AAh06402 homo sapi
44	450.5	27.8	128	2	BAD00406	BAD00406 camelus d
45	450	27.7	606	2	Q6GMV2	Q6gmv2 homo sapien
46	449	27.7	466	2	G6IN78	G6in78 homo sapien
47	447	27.6	110	2	AAH10999	AAh10999 mus muscu
48	447	27.6	121	2	BAD00469	BAD00469 camelus d
49	446.5	27.5	119	2	AAH35865	AAh35865 lama glam
50	446	27.5	107	1	KV6C_MOUSE	P01677 mus musculus
51	446	27.5	124	2	BAD00233	BAD00233 camelus d
52	445.5	27.5	117	2	AAH35877	AAh35877 lama glam
53	445	27.4	118	2	Q9UL91	Q9ul91 homo sapien
54	443	27.3	119	2	BAD00422	BAD00422 camelus d
55	443	27.3	465	2	Q6P6C4	Q6p6c4 homo sapien
56	443	27.3	465	2	AAH62335	AAh62335 homo sapi
57	443	27.3	479	2	Q91WP5	Q91wp5 mus musculus
58	442.5	27.3	126	2	BAD00440	BAD00440 camelus d
59	441	27.2	107	1	KV6B_MOUSE	P01676 mus musculus
60	440.5	27.2	116	2	Q9UL93	Q9ul93 homo sapien
61	440	27.1	107	1	KV6D_MOUSE	P01678 mus musculus
62	439.5	27.1	494	2	Q96K68	Q96k68 homo sapien
63	439.5	27.1	548	2	BAD00196	BAD00196 camelus d
64	439	27.1	119	2	BAD00492	BAD00492 camelus d
65	439	27.1	486	2	Q91Z07	Q91z07 mus musculus
66	438.5	27.0	123	2	BAD00234	BAD00234 camelus d
67	438.5	27.0	124	2	BAD00534	BAD00534 camelus d
68	438.5	27.0	128	2	BAD00444	BAD00444 camelus d
69	438.5	27.0	131	2	Q811C3	Q811c3 mus musculus
70	438.5	27.0	544	2	Q6PJ95	Q6pj95 homo sapien
71	438.5	27.0	544	2	AAH19046	AAh19046 homo sapi
72	438	27.0	118	2	AAH35882	AAh35882 lama glam
73	438	27.0	464	2	Q6PIB8	Q6pip8 mus musculus
74	438	27.0	464	2	AAH31470	AAh31470 mus muscu
75	437.5	27.0	126	2	BAD00510	BAD00510 camelus d
76	437.5	27.0	479	2	Q6MZV6	Q6mzv6 homo sapien
77	437.5	27.0	479	2	CAE45921	CAe45921 homo sapi
78	437	26.9	106	2	Q9U410	Q9u410 schistosoma
79	437	26.9	111	2	AAH10994	AAh10994 mus muscu
80	437	26.9	493	2	Q6GMX2	Q6gmw2 homo sapien
81	436	26.9	107	1	KV6A_MOUSE	P01675 mus musculus
82	436	26.9	111	2	AAH11009	AAh11009 mus muscu
83	434	26.8	121	2	BAD00463	BAD00463 camelus d
84	433.5	26.7	147	2	Q9Y509	Q9y509 homo sapien
85	433	26.7	108	1	KV6K_MOUSE	P04945 mus musculus
86	432.5	26.7	117	2	AAH35875	AAh35875 lama glam
87	432.5	26.7	119	2	AAH35866	AAh35866 lama glam
88	432.5	26.7	475	2	Q6MZQ6	Q6mzq6 homo sapien
89	432.5	26.7	475	2	Q6GMW7	Q6gmw7 homo sapien
90	432.5	26.7	475	2	CAE45972	CAe45972 homo sapi
91	431.5	26.6	124	2	BAD00513	BAD00513 camelus d
92	431	26.6	123	2	BAD00520	BAD00520 camelus d
93	431	26.6	129	2	BAD00498	BAD00498 camelus d
94	430.5	26.5	124	2	BAD00447	BAD00447 camelus d
95	430.5	26.5	124	2	BAD00500	BAD00500 camelus d
96	430.5	26.5	126	2	BAD00420	BAD00420 camelus d
97	430	26.5	95	2	AAH11062	AAh11062 mus muscu
98	430	26.5	120	2	BAD00231	BAD00231 camelus d
99	430	26.5	125	2	BAD00491	BAD00491 camelus d
100	429	26.4	487	2	Q80Z17	Q80zi7 mus musculus
101	428.5	26.4	124	2	BAD00502	BAD00502 camelus d
102	428	26.4	107	1	KV6E_MOUSE	P01679 mus musculus
103	428	26.4	121	2	BAD00404	BAD00404 camelus d
104	428	26.4	126	2	BAD00225	BAD00225 camelus d

251	400.5	24.7	118	2	BAD00526	Bad00526 camelus d	324	386	23.8	129	2	BAD00495	Bad00495 camelus d
252	400.5	24.7	118	2	BAD00568	Bad00568 camelus d	325	385.5	23.8	120	1	BAD00414	Bad00414 camelus d
253	400.5	24.7	120	2	BAD00503	Bad00503 camelus d	326	385	23.7	119	1	HV3M_HUMAN	P01774 homo sapien
254	400	24.7	129	1	KV4A_MOUSE	P01680 mus musculus	327	385	23.7	119	2	BAD00477	Bad00477 camelus d
255	399.5	24.6	114	2	AAR11022	Aar11022 mus muscu	328	385	23.7	121	2	BAD00558	Bad00558 camelus d
256	399.5	24.6	115	1	HV33_MOUSE	P01802 mus musculus	329	385	23.7	122	1	HV3H_HUMAN	P01769 homo sapien
257	399.5	24.6	119	2	AAL35868	Aal35868 lama glam	330	385	23.7	125	2	BAD00457	Bad00457 camelus d
258	399	24.6	116	2	AAL35874	Aal35874 lama glam	331	385	23.7	482	2	Q72351	Q72351 homo sapien
259	398.5	24.6	122	2	BAD00470	Bad00470 camelus d	332	384.5	23.7	121	2	AAL35847	Aal35847 lama glam
260	398.5	24.6	469	2	QBR3V9	QBR3V9 mus musculus	333	384	23.7	103	2	AAR10989	Aar10989 mus muscu
261	398	24.5	121	2	BAD00551	Bad00551 camelus d	334	384	23.7	119	1	HV3P_HUMAN	P01777 homo sapien
262	398	24.5	123	2	BAD00400	Bad00400 camelus d	335	384	23.7	123	2	BAD00393	Bad00393 camelus d
263	397.5	24.5	112	2	AAR11019	Aar11019 mus muscu	336	384	23.7	125	2	BAD00562	Bad00562 camelus d
264	397.5	24.5	117	1	HV29_MOUSE	P01798 mus musculus	337	383.5	23.6	120	1	HV3E_HUMAN	Bad00454 camelus d
265	397.5	24.5	113	2	AAL35867	Aal35867 lama glam	338	382.5	23.6	120	1	HV3E_HUMAN	P01766 homo sapien
266	397.5	24.5	122	2	BAD00394	Bad00394 camelus d	339	382.5	23.6	128	2	BAD00423	Bad00423 camelus d
267	397.5	24.5	126	2	BAD00557	Bad00557 camelus d	340	381.5	23.5	115	1	HV3D_HUMAN	Bad00423 camelus d
268	396.5	24.4	123	1	HV31_MOUSE	P01800 mus musculus	341	381.5	23.5	117	1	HV42_MOUSE	P01812 homo sapien
269	396.5	24.4	124	2	BAD00536	Bad00536 camelus d	342	381.5	23.5	121	2	AAL35863	Aal35863 lama glam
270	396	24.4	98	2	AAR11044	Aar11044 mus muscu	343	381.5	23.5	473	2	QGP055	Q6P055 homo sapien
271	396	24.4	119	2	BAD00560	Bad00560 camelus d	344	381.5	23.5	473	2	AH65820	Ah65820 homo sapi
272	396	24.4	497	2	BAC86210	Bac86210 homo sapi	345	381	23.5	114	1	HV01_CANFA	P01784 canis faml
273	395.5	24.4	120	2	BAD00516	Bad00516 camelus d	346	380.5	23.5	113	1	HV34_MOUSE	P01803 mus musculus
274	395.5	24.4	124	2	BAD00478	Bad00478 camelus d	347	380.5	23.5	122	2	BAD00456	Bad00456 camelus d
275	395	24.4	112	2	Q9HCC1	Q9hcc1 homo sapien	348	380.5	23.5	122	2	BAD00546	Bad00546 camelus d
276	395	24.4	116	2	BAD00215	Bad00215 camelus d	349	380.5	23.5	126	2	BAD00421	Bad00421 camelus d
277	395	24.4	519	2	Q6N092	Q6n092 homo sapien	350	380	23.4	115	2	BAD00483	Bad00483 camelus d
278	395	24.4	519	2	CAR45778	Car45778 homo sapi	351	379.5	23.4	116	1	HV05_CARAU	P19181 carassius a
279	394.5	24.3	113	1	HV28_MOUSE	P01797 mus musculus	352	379	23.4	117	1	HV58_MOUSE	P19529 mus musculus
280	394.5	24.3	118	1	HV39_MOUSE	P01809 mus musculus	353	378.5	23.3	116	2	BAD00542	Bad00542 camelus d
281	394.5	24.3	120	2	BAD00397	Bad00397 camelus d	354	378.5	23.3	170	2	Q92582	Q92582 mus musculus
282	394.5	24.3	142	1	HV01_RAT	P01805 rattus norv	355	378	23.3	89	2	AAR11072	Aar11072 mus muscu
283	394	24.3	127	2	BAD00467	Bad00467 camelus d	356	378	23.3	105	2	AAR11058	Aar11058 mus muscu
284	393.5	24.3	115	1	HV3F_HUMAN	P01767 homo sapien	357	378	23.3	117	1	HV59_MOUSE	P18530 mus musculus
285	393.5	24.3	118	2	BAD00487	Bad00487 camelus d	358	378	23.3	121	2	BAD00442	Bad00442 camelus d
286	393.5	24.3	119	2	BAD00208	Bad00208 camelus d	359	378	23.3	123	2	BAD00426	Bad00426 camelus d
287	393.5	24.3	120	2	BAD00407	Bad00407 camelus d	360	378	23.3	126	2	AAL35851	Aal35851 lama glam
288	393.5	24.3	479	2	Q7TMK4	Q7tmk4 mus musculus	361	378	23.3	593	2	Q6INM5	Q6inm5 xenopus lae
289	393	24.2	98	1	HV57_MOUSE	P18528 mus musculus	362	378	23.3	593	2	AH72253	Ah72253 xenopus l
290	393	24.2	123	2	BAD00489	Bad00489 camelus d	363	377.5	23.3	119	1	HV3L_HUMAN	P01773 homo sapien
291	393	24.2	126	2	BAD00310	Bad00310 camelus d	364	377	23.2	117	2	BAD00451	Bad00451 camelus d
292	392.5	24.2	118	2	BAD000559	Bad00559 camelus d	365	377	23.2	119	1	HV3N_HUMAN	P01775 homo sapien
293	392.5	24.2	127	2	BAD00335	Bad00335 camelus d	366	377	23.2	123	2	BAD00437	Bad00437 camelus d
294	392	24.2	117	2	BAD00518	Bad00518 camelus d	367	376.5	23.2	122	2	BAD00427	Bad00427 camelus d
295	392	24.2	123	2	BAD00398	Bad00398 camelus d	368	376.5	23.2	122	2	BAD00461	Bad00461 camelus d
296	391.5	24.1	117	1	HV02_CANFA	P01785 canis faml	369	376.5	23.2	130	2	BAD00555	Bad00555 camelus d
297	391.5	24.1	120	2	BAD00460	Bad00460 camelus d	370	376	23.2	95	2	Q9ULB6	Q9ulb6 homo sapien
298	391.5	24.1	126	2	BAD00522	Bad00522 camelus d	371	376	23.2	123	2	BAD00473	Bad00473 camelus d
299	391	24.1	117	1	HV3C_HUMAN	P01764 homo sapien	372	376	23.2	124	2	AAL35854	Aal35854 lama glam
300	391	24.1	121	2	BAD00411	Bad00411 camelus d	373	376	23.2	584	2	Q6INK3	Q6ink3 xenopus lae
301	390.5	24.1	124	2	BAD00524	Bad00524 camelus d	374	376	23.2	584	2	AH72277	Ah72277 xenopus l
302	390.5	24.1	126	2	BAD00566	Bad00566 camelus d	375	375.5	23.2	109	2	AAR10993	Aar10993 mus muscu
303	390.5	24.1	483	2	Q6MZX9	Q6mzx9 homo sapien	376	375.5	23.2	521	2	Q8N4Y9	Q8n4y9 homo sapien
304	390.5	24.1	483	2	CAR45898	Car45898 homo sapi	377	375	23.1	97	2	AAR11028	Aar11028 mus muscu
305	390.5	24.1	614	2	Q8VEAO	Q8vea0 mus musculus	378	375	23.1	103	2	AAR11045	Aar11045 mus muscu
306	390.5	24.1	484	2	Q6DDQ7	Q6ddq7 xenopus lae	379	375	23.1	116	2	BAD00224	Bad00224 camelus d
307	390	24.0	127	2	BAD00504	Bad00504 camelus d	380	375	23.1	124	2	BAD00594	Bad00594 camelus d
308	390	24.0	495	2	BAC85366	Bac85366 homo sapi	381	375	23.1	470	2	BAC85172	Bac85172 homo sapi
309	389.5	24.0	104	2	AAR10986	Aar10986 mus muscu	382	374.5	23.1	124	2	BAD00506	Bad00506 camelus d
310	389.5	24.0	119	1	HV3I_HUMAN	P01770 homo sapien	383	374.5	23.1	481	2	Q6N097	Q6n097 homo sapien
311	389.5	24.0	120	2	BAD00547	Bad00547 camelus d	384	374.5	23.1	481	2	CAE45773	CaE45773 homo sapi
312	389	24.0	111	1	HV35_MOUSE	P01804 mus musculus	385	374	23.1	116	2	AAL35872	Aal35872 lama glam
313	389	24.0	466	2	AH64496	Ah64496 homo sapi	386	374	23.1	117	1	HV53_MOUSE	P18524 mus musculus
314	388.5	24.0	116	2	BAD00466	Bad00466 camelus d	387	374	23.1	120	2	BAD00242	Bad00242 camelus d
315	388	23.9	121	2	BAD00485	Bad00485 camelus d	388	374	23.1	125	2	BAD00514	Bad00514 camelus d
316	388	23.9	122	2	BAD00312	Bad00312 camelus d	389	373.5	23.0	114	2	BAD00419	Bad00419 camelus d
317	388	23.9	474	2	BAC85350	Bac85350 homo sapi	390	373	23.0	102	2	AAR11041	Aar11041 mus muscu
318	387.5	23.9	120	2	BAD00430	Bad00430 camelus d	391	372.5	23.0	122	2	BAD00479	Bad00479 camelus d
319	387.5	23.9	120	2	BAD00531	Bad00531 camelus d	392	372.5	23.0	123	2	AAL35858	Aal35858 lama glam
320	387.5	23.9	120	2	BAD00544	Bad00544 camelus d	393	372.5	23.0	125	2	BAD00629	Bad00629 camelus d
321	387.5	23.9	126	2	BAD00538	Bad00538 camelus d	394	372.5	23.0	254	2	BAC86524	Bac86524 homo sapi
322	387	23.9	122	1	HV3A_HUMAN	P01762 homo sapien	395	372.5	23.0	494	2	Q6ZW64	Q6zw64 homo sapien
323	387	23.9	131	2	BAD00450	Bad00450 camelus d	396	372.5	23.0	494	2	BAC85641	Bac85641 homo sapi

397	372	22.9	105	2	AAR11061	Aar11061 mus muscu	470	355.5	21.9	108	1	KV1R_HUMAN	P01610 homo sapien
398	371	22.9	124	2	BAD00238	Bad00238 camelus d	471	354.5	21.9	214	2	Q9RIA5	Q9RIA5 mus musculus
399	370.5	22.8	121	2	BAD00306	Bad00306 camelus d	472	354.5	21.9	585	2	Q6GPK4	Q6GPK4 xenopus lae
400	370.5	22.8	123	1	HV22_MOUSE	P01791 mus musculus	473	354	21.8	118	2	AAL35857	AAL35857 lama glam
401	368.5	22.7	116	2	BAD00548	Bad00548 camelus d	474	354	21.8	120	2	BAD00219	Bad00219 camelus d
402	368	22.7	122	1	HV21_MOUSE	P01790 mus musculus	475	354	21.8	128	2	BAD00331	Bad00331 camelus d
403	368	22.7	125	2	BAD006401	Bad006401 camelus d	476	354	21.8	473	2	Q9DBL4	Q9DBL4 mus musculus
404	367.5	22.7	124	2	BAD00441	Bad00441 camelus d	477	353.5	21.8	108	2	Q9UL70	Q9UL70 homo sapien
405	367.5	22.7	127	2	BAD00222	Bad00222 camelus d	478	353	21.8	107	2	Q96SA9	Q96SA9 homo sapien
406	366.5	22.7	131	2	Q9UL88	Q9ul88 homo sapien	479	353	21.8	126	2	AAL35838	AAL35838 lama glam
407	366.5	22.6	122	2	BAD00501	Bad00501 camelus d	480	353	21.8	126	2	AAL35839	AAL35839 lama glam
408	366.5	22.6	123	1	HV18_MOUSE	P01793 mus musculus	481	353	21.8	128	2	BAD00332	Bad00332 camelus d
409	366.5	22.6	123	1	HV24_MOUSE	Aah4667 homo sapi	482	352.5	21.7	108	1	KV1Y_HUMAN	P01666 mus musculus
410	366.5	22.6	479	2	AAH4667	P01782 homo sapien	483	352.5	21.7	111	1	KV3N_MOUSE	Q7Tmk3 mus musculus
411	366	22.6	120	1	HV30_HUMAN	Bad00565 camelus d	484	352.5	21.7	127	2	AAL35855	AAL35855 lama glam
412	366	22.6	121	2	BAD00565	Bad00565 camelus d	485	352.5	21.7	236	2	Q7Tmk3	Q7Tmk3 mus musculus
413	366	22.6	122	2	BAD00334	Bad00334 camelus d	486	352.5	21.7	482	2	Q8K172	Q8K172 mus musculus
414	365.5	22.5	123	1	HV19_MOUSE	P01788 mus musculus	487	352	21.7	98	2	AAR11053	AAR11053 mus musculus
415	365.5	22.5	125	2	BAD00657	Bad00657 camelus d	488	352	21.7	464	2	Q6PFF95	Q6PFF95 mus musculus
416	365	22.5	105	2	AAR11051	Aar11051 mus muscu	489	352	21.7	464	2	AAH57672	AAH57672 mus muscu
417	365	22.5	117	1	HV30_HUMAN	P01776 homo sapien	490	351.5	21.7	123	2	BAD00387	Bad00387 camelus d
418	365	22.5	120	2	BAD00243	Bad00243 camelus d	491	351.5	21.7	127	2	BAD00250	Bad00250 camelus d
419	365	22.5	124	2	BAD00671	Bad00671 camelus d	492	351.5	21.7	131	2	BAD00599	Bad00599 camelus d
420	365	22.5	126	2	AAL35848	Aal35848 lama glam	493	351.5	21.7	465	2	Q6PJ82	Q6PJ82 mus musculus
421	365	22.5	128	2	BAD00384	Bad00384 camelus d	494	351.5	21.7	465	2	AAH18280	AAH18280 mus muscu
422	365	22.5	474	2	BAC85171	Bac85171 homo sapi	495	351	21.6	118	2	AAL35849	AAL35849 lama glam
423	364.5	22.5	117	1	HV17_MOUSE	P01786 mus musculus	496	351	21.6	598	2	AAO37747	AAO37747 ornithorh
424	364.5	22.5	131	2	BAD00240	Bad00240 camelus d	497	350.5	21.6	108	1	KV1B_HUMAN	P01594 homo sapien
425	364	22.4	499	2	BAC85363	Bac85363 homo sapi	498	350.5	21.6	125	2	BAD00201	Bad00201 camelus d
426	363	22.4	117	2	BAD00396	Bad00396 camelus d	499	350.5	21.6	125	2	BAD00346	Bad00346 camelus d
427	363	22.4	121	2	BAD00409	Bad00409 camelus d	500	350.5	21.6	125	2	BAD00687	Bad00687 camelus d
428	362.5	22.3	119	2	AAL35873	Aal35873 lama glam	501	350.5	21.6	133	2	BAD00623	Bad00623 camelus d
429	362.5	22.3	123	1	HV25_MOUSE	P01794 mus musculus	502	350.5	21.6	144	1	HV26_MOUSE	P01795 mus musculus
430	362.5	22.3	123	2	BAD00248	Bad00248 camelus d	503	350	21.6	122	2	BAD00244	Bad00244 camelus d
431	362.5	22.3	236	2	Q6GMX9	Q6gm9 homo sapien	504	350	21.6	126	2	BAD00207	Bad00207 camelus d
432	362.5	22.3	236	2	Q6GMX9	Q6gm9 homo sapien	505	349.5	21.5	104	1	Q9UL87	Q9ul87 homo sapien
433	362	22.3	117	2	BAD00527	Bad00527 camelus d	506	349.5	21.5	116	1	HV3R_HUMAN	P01779 homo sapien
434	362	22.3	120	2	BAD00218	Bad00218 camelus d	507	349.5	21.5	127	2	BAD00209	Bad00209 camelus d
435	362	22.3	124	2	Q9N0W6	Q9n0w6 oryctolagus	508	349	21.5	118	2	BAD00247	Bad00247 camelus d
436	361.5	22.3	123	1	HV23_MOUSE	P01792 mus musculus	509	349	21.5	120	2	BAD00235	Bad00235 camelus d
437	361	22.3	112	2	BAD00371	Bad00371 camelus d	510	348.5	21.5	119	2	BAD00351	Bad00351 camelus d
438	361	22.3	116	1	HV36_MOUSE	P01806 mus musculus	511	348.5	21.5	125	2	BAD00200	Bad00200 camelus d
439	361	22.3	468	2	Q9UL31	Q9ul31 mus musculus	512	348.5	21.5	129	1	KV1W_HUMAN	P04431 homo sapien
440	360.5	22.2	124	2	BAD00533	Bad00533 camelus d	513	348.5	21.5	236	2	Q6GMX8	Q6gm8 homo sapien
441	360.5	22.2	124	2	BAD00561	Bad00561 camelus d	514	348.5	21.5	236	2	Q7TS98	Q7ts98 mus musculus
442	360.5	22.2	236	2	Q6PJH7	Q6ph7 homo sapien	515	348	21.5	126	2	BAD00627	Bad00627 camelus d
443	360.5	22.2	236	2	AAH34141	Aah34141 homo sapi	516	348	21.5	468	2	BAC85175	Bac85175 homo sapi
444	360	22.2	124	2	Q9N0W4	Q9n0w4 oryctolagus	517	347.5	21.4	108	2	Q9UL77	Q9ul77 homo sapien
445	360	22.2	124	2	AAL35846	Aal35846 lama glam	518	347.5	21.4	123	2	AAL35852	AAL35852 lama glam
446	360	22.2	464	1	AAH19337	Aah19337 homo sapi	519	347.5	21.4	123	2	BAD00582	Bad00582 camelus d
447	359.5	22.2	108	1	KV1P_HUMAN	P01608 homo sapien	520	347	21.4	126	2	BAD00202	Bad00202 camelus d
448	359.5	22.2	108	1	KV1V_HUMAN	P04430 homo sapien	521	346.5	21.4	233	2	Q9IWS9	Q9iws9 mus musculus
449	359.5	22.2	448	2	BAD00535	Bad00535 camelus d	522	346.5	21.4	120	2	BAD00220	Q6gm0 homo sapien
450	359.5	22.2	117	2	BAC86226	Bac86226 homo sapi	523	346	21.3	120	2	BAD00236	Bad00236 camelus d
451	359	22.1	94	2	AAH10997	Aah10997 mus muscu	524	346	21.3	120	2	BAD00236	Bad00236 camelus d
452	359	22.1	122	1	HV20_MOUSE	P01789 mus musculus	525	346	21.3	124	2	BAD00388	Bad00388 camelus d
453	359	22.1	495	2	BAC85349	Bac85349 homo sapi	526	346	21.3	128	2	BAD00246	Bad00246 camelus d
454	358.5	22.1	127	2	BAD00619	Bad00619 camelus d	527	346	21.3	128	2	BAD00358	Bad00358 camelus d
455	358.5	22.1	471	2	BAC85388	Bac85388 homo sapi	528	345.5	21.3	123	2	BAD00286	Bad00286 camelus d
456	358	22.1	103	2	AAH11049	Aah11049 mus muscu	529	345.5	21.3	129	2	BAD00319	Bad00319 camelus d
457	358	22.1	497	2	BAC86513	Bac86513 homo sapi	530	345	21.3	120	2	BAD00256	Bad00256 camelus d
458	357.5	22.0	234	2	Q8R062	Q8r062 mus musculus	531	345	21.3	126	2	BAD00245	Bad00245 camelus d
459	357.5	22.0	236	2	Q723Y4	Q723y4 homo sapien	532	345	21.3	128	2	BAD00315	Bad00315 camelus d
460	357	22.0	94	2	AAH11038	Aar11038 mus muscu	533	345	21.3	108	1	KV5J_MOUSE	P01643 mus musculus
461	357	22.0	96	2	AAH11010	Aar11010 mus muscu	534	344.5	21.2	123	2	Bad00229	Bad00229 camelus d
462	357	22.0	100	2	AAH11042	Aar11042 mus muscu	535	344.5	21.2	129	2	BAD00668	Bad00668 camelus d
463	356.5	22.0	101	2	Q9UL78	Q9j178 mus musculus	536	344.5	21.2	236	2	O6PIH4	O6pih4 homo sapien
464	356.5	22.0	116	1	HV3Q_HUMAN	P01778 homo sapien	537	344.5	21.2	236	2	O6PIT5	O6pit5 homo sapien
465	356.5	22.0	121	2	AAL35859	Aal35859 lama glam	538	344.5	21.2	236	2	AAH29444	Aah29444 homo sapi
466	356	21.9	114	2	AAL35840	Aal35840 lama glam	539	344.5	21.2	236	2	AAH34146	Aah34146 homo sapi
467	356	21.9	120	2	BAD00203	Bad00203 camelus d	540	343.5	21.2	108	1	KV1M_HUMAN	P01605 homo sapien
468	356	21.9	126	2	BAD00210	Bad00210 camelus d	541	343.5	21.2	111	1	KV3M_MOUSE	P01665 mus musculus
469	355.5	21.9	108	1	KV1O_HUMAN	P01607 homo sapien	542	343.5	21.2	123	2	BAD00237	Bad00237 camelus d

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OM protein - protein search, using sw model

Run on: December 29, 2004, 01:03:09 ; Search time 47 Seconds
(without alignments)
646.904 Million cell updates/sec

Title: US-09-403-882A-2
Perfect score: 1622
Sequence: 1 MAEVKLOESGGIVQPGSSR.....VVLTIISLILIMLWQKXPR 316

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 65000 summaries

Database : PIR 79.*
1: pir1.*
2: pir2.*
3: pir3.*
4: pir4.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	892.5	55.0	268	A56446	Ig heavy chain V r
2	718.5	44.3	249	S41374	single chain Fv an
3	626.5	38.6	233	JCS322	p53 specific singl
4	555.5	34.2	213	S68213	Ig heavy chain (Ma
5	535	33.0	136	GiM821	Ig heavy chain pre
6	522.5	32.2	121	B34871	Ig heavy chain V r
7	516	31.8	130	JL0079	Ig kappa chain pre
8	514	31.7	235	S25058	Ig kappa chain - m
9	511	31.5	107	A30562	Ig kappa chain V r
10	508	31.3	103	S29591	Ig kappa chain V r
11	508	31.3	104	B49049	Ig kappa chain V r
12	506	31.2	106	PS0071	Ig kappa chain V r
13	506	31.2	107	B30562	Ig kappa chain V r
14	501	31.0	107	S11118	Ig kappa chain V r
15	498	30.7	107	S11119	Ig kappa chain V r
16	498	30.7	107	PC4405	Ig kappa chain V r
17	490	30.2	107	S11121	Ig kappa chain V r
18	488	30.1	107	PT0406	Ig kappa chain V r
19	484.5	29.9	143	S23624	Ig heavy chain V r
20	483	29.8	107	S11117	Ig kappa chain V r
21	482	29.7	120	S12953	Ig heavy chain V r
22	481.5	29.7	108	G30560	Ig kappa chain V r
23	480	29.6	94	D25913	Ig heavy chain V r
24	479	29.5	100	S29590	Ig kappa chain V r
25	478	29.5	107	S11112	Ig kappa chain V r
26	478	29.5	108	PH1015	Ig heavy chain V r
27	476	29.3	107	PD0011	Ig kappa chain V r
28	473	29.2	97	PH1084	Ig light chain V r
29	473	29.2	114	S46392	Ig heavy chain V r

103	438	27.0	118	2	PH0096	Ig heavy chain V r	176	421.5	26.0	122	2	S31119	Ig heavy chain - h
104	438	27.0	119	2	D27889	Ig heavy chain V r	177	421.5	26.0	130	2	BL0098	Ig heavy chain pre
105	438	27.0	139	2	S38808	Ig heavy chain - m	178	421	26.0	131	2	P27888	Ig heavy chain V r
106	437.5	27.0	121	2	I55673	Ig heavy chain - h	179	421	26.0	137	2	S31701	Ig heavy chain V r
107	437	26.9	105	2	S26338	Ig kappa chain V r	180	420	25.9	98	2	S26891	Ig heavy chain V r
108	437	26.9	116	2	S31110	Ig heavy chain - h	181	420	25.9	112	2	PH1647	Ig heavy chain V r
109	436.5	26.9	130	2	S31601	Ig heavy chain V r	182	420	25.9	123	2	S63597	Ig heavy chain V r
110	436	26.9	107	1	KVMSX4	Ig kappa chain V r	183	420	25.9	145	2	S11239	Ig heavy chain, V
111	435.5	26.8	110	2	S36282	Ig kappa chain V r	184	420	25.9	249	2	S63340	Ig heavy chain V r
112	435.5	26.8	133	2	A49028	Ig heavy chain V-I	185	419.5	25.9	117	2	PL0249	Ig heavy chain V r
113	435	26.8	112	2	S26327	Ig heavy chain V r	186	419.5	25.9	127	2	S38489	Ig heavy chain V r
114	435	26.8	118	2	PH0097	Ig heavy chain V r	187	418.5	25.9	119	2	B34353	Ig heavy chain V r
115	435	26.8	120	2	A34871	Ig kappa chain V r	188	418.5	25.8	121	2	S30532	Ig heavy chain V r
116	434.5	26.8	102	2	S11115	Ig kappa chain V r	189	418.5	25.8	123	2	S10532	Ig heavy chain pre
117	434.5	26.8	138	2	S09258	Ig heavy chain V r	190	418	25.8	104	2	S29592	Ig heavy chain V r
118	433.5	26.7	120	2	S36278	Ig heavy chain V r	191	418	25.8	117	1	HVMS84	Ig heavy chain - h
119	433.5	26.7	123	2	S31114	Ig heavy chain V r	192	417.5	25.8	119	2	A34313	Ig heavy chain V r
120	433.5	26.7	140	2	S31686	Ig heavy chain - h	193	417.5	25.7	125	2	S20785	Ig heavy chain V r
121	433	26.7	107	2	PT0401	Ig light chain V r	194	417.5	25.7	139	2	I37781	Ig heavy chain V r
122	432	26.7	107	2	PT0400	Ig light chain V r	195	417	25.7	135	2	I37778	Ig variable region
123	433	26.7	108	2	PL0278	Ig kappa chain V r	196	416.5	25.7	111	2	PH1007	Ig variable region
124	433	26.7	112	2	A27889	Ig heavy chain V r	197	416	25.6	113	2	S26468	Ig heavy chain V r
125	433	26.7	123	2	G27888	Ig heavy chain V r	198	416	25.6	119	1	AVMSX4	Ig heavy chain V r
126	432.5	26.7	138	2	S31666	Ig heavy chain V r	199	416	25.6	139	2	G29380	Ig heavy chain V r
127	432	26.6	128	2	PH0095	Ig kappa chain V r	200	415.5	25.6	121	2	S31118	Ig heavy chain - h
128	432	26.6	151	2	A60943	Ig heavy chain pre	201	415	25.6	106	2	PH1008	Ig heavy chain V r
129	431.5	26.6	117	2	S34012	Ig heavy chain V r	202	415	25.6	109	2	PT0404	Ig heavy chain V r
130	431.5	26.6	130	2	S78486	Ig light chain V r	203	414.5	25.6	111	2	PH1645	Ig heavy chain V r
131	431	26.6	107	2	PT0397	Ig heavy chain V-D	204	414.5	25.6	121	1	GHUHL	Ig heavy chain V r
132	431	26.6	120	2	S44111	Ig heavy chain - h	205	414.5	25.6	123	2	S05289	Ig heavy chain - h
133	431	26.6	139	2	S31112	Ig heavy chain V r	206	414	25.5	102	2	C34903	Ig heavy chain pre
134	431	26.6	120	2	S31674	Ig heavy chain V r	207	413.5	25.5	142	2	S31509	Ig heavy chain - h
135	430.5	26.5	119	2	D36005	Ig heavy chain V r	208	413.5	25.5	102	2	S29584	Ig kappa chain V r
136	430	26.5	122	2	S31675	Ig heavy chain V r	209	413	25.5	107	2	PT0396	Ig light chain V r
137	429.5	26.5	125	2	S37455	Ig mu chain - huma	210	413	25.5	120	2	E49590	Ig heavy chain V r
138	429	26.4	108	2	PL0277	Ig kappa chain V r	211	413	25.5	113	2	S57410	Ig heavy chain V r
139	429	26.4	108	2	PL0276	Ig kappa chain V r	212	412.5	25.4	117	2	PL0252	Ig heavy chain V r
140	429	26.4	122	2	S69910	Ig V-D-J region (K	213	412.5	25.4	99	2	D38601	Ig kappa chain V r
141	428	26.4	107	1	KVMSJ5	Ig kappa chain V r	214	412	25.4	117	1	HVMS34	Ig heavy chain V r
142	428	26.4	121	2	A27888	Ig heavy chain V r	215	412	25.4	99	2	S29585	Ig kappa chain pre
143	428	26.4	128	2	PH0094	Ig heavy chain V r	216	411	25.3	99	2	S51210	Ig kappa chain V r
144	427.5	26.4	120	2	S36273	Ig heavy chain V r	217	410	25.3	107	2	S11122	Ig kappa chain V r
145	427.5	26.4	124	2	C27888	Ig heavy chain V r	218	410	25.3	115	2	S38714	Ig kappa chain V r
146	427	26.3	107	2	PT0395	Ig light chain V r	219	410	25.3	126	1	GIHUKL	Ig heavy chain V-I
147	427	26.3	109	2	PT0405	Ig light chain V r	220	410	25.3	118	2	S31121	Ig heavy chain V-I
148	427	26.3	111	2	PL0199	anti-DNA autoantib	221	409	25.2	107	2	PT0399	Ig heavy chain V r
149	427	26.3	122	2	S20772	Ig heavy chain V r	222	408.5	25.2	117	2	S36259	Ig heavy chain - h
150	426.5	26.3	109	2	PH1644	Ig heavy chain V r	223	408	25.2	122	2	PH1537	Ig light chain V r
151	426.5	26.3	134	2	S31699	Ig heavy chain V r	224	408	25.2	115	1	AVMS06	Ig heavy chain V-I
152	426	26.3	117	2	S21980	Ig heavy chain V-g	225	407.5	25.1	119	2	AVMSJ5	Ig heavy chain V r
153	425.5	26.2	119	2	PH0098	Ig heavy chain V r	226	407	25.1	91	2	S17628	Ig kappa chain V r
154	425.5	26.2	121	2	S31113	Ig heavy chain V-I	227	406	25.0	98	2	S26940	Ig heavy chain V r
155	425.5	26.2	124	2	I27888	Ig heavy chain pre	228	406	25.0	118	2	PH1662	Ig heavy chain V r
156	425.5	26.2	140	2	S22657	Ig heavy chain V r	229	406	25.0	117	2	S36270	Ig heavy chain V r
157	425	26.2	98	2	S26894	Ig heavy chain V r	230	405.5	25.0	127	2	S19878	Ig heavy chain V r
158	425	26.2	110	2	PH1652	Ig heavy chain V r	231	405.5	25.0	98	2	S29543	Ig heavy chain V r
159	425	26.2	114	1	M3HWE	Ig heavy chain V-I	232	405	25.0	98	2	S29330	Ig heavy chain V r
160	425	26.2	119	2	B27889	Ig heavy chain V r	233	405	25.0	114	2	S36280	Ig heavy chain V r
161	424	26.1	108	2	PH1642	Ig heavy chain V r	234	405	25.0	134	2	PH1660	Ig heavy chain V r
162	424	26.1	128	2	S31595	Ig heavy chain V r	235	405	25.0	136	2	S13791	Ig heavy chain V r
163	424	26.1	136	2	S26786	Ig heavy chain V r	236	405	25.0	113	1	AVMSB7	Ig heavy chain V-I
164	424	26.1	131	2	S31587	Ig heavy chain V r	237	405	25.0	115	2	S44112	Ig heavy chain V r
165	423.5	26.1	109	2	PH1646	Ig heavy chain V r	238	404.5	24.9	104	2	S26475	Ig kappa chain V r
166	423.5	26.1	111	2	PH1643	Ig heavy chain V r	239	404.5	24.9	118	2	A49026	Ig heavy chain V r
167	423.5	26.1	118	2	S20641	Ig heavy chain V r	240	404	24.9	111	2	PL0254	Ig heavy chain V r
168	423	26.1	108	2	PH1648	Ig heavy chain V r	241	404	24.9	130	2	I37783	Ig heavy chain - m
169	423	26.1	108	2	PL0248	Ig heavy chain V r	242	404	24.9	119	1	AVMST6	Ig heavy chain V r
170	423	26.1	122	1	M3HUAM	Ig heavy chain V-I	243	403.5	24.9	120	2	PH1534	Ig H chain V regio
171	423	26.1	133	2	S31510	Ig heavy chain - h	244	403.5	24.8	113	2	S38490	Ig heavy chain - h
172	422.5	26.0	121	2	S31104	Ig heavy chain (su	245	403	24.8	117	1	G2MSUI	Ig heavy chain V r
173	422.5	26.0	140	2	A30532	Ig heavy chain pre	246	403	24.8				
174	422	26.0	121	2	H27887	Ig heavy chain V r	247	402.5	24.8				
175	422	26.0	121	2	D27888	Ig heavy chain V r	248	402.5	24.8				

249	402.5	24.8	139	2	A25912	Ig heavy chain pre	322	389	24.0	111	1	MHMS76	Ig heavy chain V-I
250	402	24.8	116	1	M3HUGL	Ig heavy chain V-I	323	388	23.9	93	2	S17623	Ig kappa chain V r
251	402	24.8	119	2	PH1531	Ig H chain V regio	324	388	23.9	97	2	S41115	Ig heavy chain V r
252	402	24.8	124	2	S05267	Ig kappa chain pre	325	387.5	23.9	97	2	S26886	Ig heavy chain V r
253	401.5	24.8	97	1	HVMS91	Ig heavy chain V r	326	387.5	23.9	121	2	A41940	Ig heavy chain V r
254	401	24.7	91	2	S17630	Ig kappa chain V r	327	387	23.9	96	2	C33730	Ig heavy chain V r
255	401	24.7	97	2	PH0875	Ig heavy chain V r	328	387	23.9	99	2	PH1058	Ig kappa chain V r
256	401	24.7	97	2	PH1085	Ig light chain V r	329	387	23.9	122	1	ALHUTR	Ig light chain V r
257	401	24.7	108	2	PS0069	Ig kappa chain V r	330	387	23.9	145	2	I47203	Ig heavy chain V-I
258	401	24.7	110	2	PH1655	Ig heavy chain V r	331	386.5	23.8	115	2	PC6026	Ig heavy chain var
259	401	24.7	116	2	S21979	Ig heavy chain V-g	332	386.5	23.8	130	2	S05817	Ig heavy chain V r
260	401	24.7	137	2	S78054	Ig heavy chain pre	333	386	23.8	93	2	S17643	Ig kappa chain V r
261	401	24.7	139	2	PC1213	Ig heavy chain pre	334	386	23.8	98	2	PL0121	Ig heavy chain V-I
262	400.5	24.7	113	1	AVMSAB	Ig heavy chain V-I	335	386	23.8	98	2	PL0123	Ig heavy chain V-I
263	400.5	24.7	121	2	PH1661	Ig heavy chain V r	336	386	23.8	114	2	PH1009	Ig heavy chain V r
264	400	24.7	119	2	S31111	Ig heavy chain - h	337	386	23.8	137	2	S17079	Ig heavy chain V-g
265	400	24.7	119	2	PH1533	Ig H chain V regio	338	386	23.8	137	2	S34903	Ig heavy chain pre
266	400	24.7	129	2	KVMS7B	Ig kappa chain pre	339	385.5	23.8	97	2	S26885	Ig heavy chain V r
267	399.5	24.6	115	1	AVMS82	Ig heavy chain V-I	340	385.5	23.8	97	2	S46462	Ig heavy chain V r
268	399	24.6	94	2	S26340	Ig light chain V r	341	385.5	23.8	111	2	PH1659	Ig heavy chain V r
269	399	24.6	99	2	PH1059	Ig light chain V r	342	385.5	23.8	115	2	S36284	Ig heavy chain V r
270	399	24.6	122	2	PC2398	anti-tetanus toxin	343	385.5	23.8	121	2	A30560	Ig heavy chain V r
271	398	24.5	98	2	PL0116	Ig heavy chain V-I	344	385.5	23.8	124	2	S20784	Ig heavy chain V r
272	397.5	24.5	113	1	AVMS09	Ig heavy chain V-I	345	385	23.7	117	2	B34964	Ig heavy chain pre
273	397.5	24.5	125	2	S72665	Ig V-D-J region (R	346	385	23.7	119	1	M3HUPM	Ig heavy chain V-I
274	397.5	24.5	140	2	I47204	Ig heavy chain var	347	385	23.7	122	1	M3HUGA	Ig heavy chain V-I
275	396.5	24.4	113	1	AVMS57	Ig heavy chain V-I	348	385	23.7	137	2	D34903	Ig heavy chain pre
276	396.5	24.4	121	2	E27889	Ig heavy chain V r	349	385	23.7	141	2	I47197	Ig heavy chain var
277	396.5	24.4	121	2	H36005	Ig heavy chain V r	350	385	23.7	145	2	I47186	Ig heavy chain var
278	395.5	24.4	116	2	S17080	Ig heavy chain V-g	351	384.5	23.7	148	2	I47180	Ig heavy chain var
279	395.5	24.4	118	2	A47329	Ig heavy chain V-I	352	384	23.7	119	1	GLHUTE	Ig heavy chain V-I
280	395.5	24.4	125	2	S67945	Ig heavy chain BrE	353	384	23.7	119	2	PH1548	Ig H chain V regio
281	395	24.4	98	2	S26889	Ig heavy chain V r	354	384	23.7	141	2	I32513	Ig heavy chain pre
282	395	24.4	98	2	PH0874	Ig heavy chain V r	355	383.5	23.6	115	2	S36267	Ig heavy chain V r
283	395	24.4	98	2	S29546	Ig heavy chain V r	356	383.5	23.6	121	2	S31106	Ig heavy chain - h
284	395	24.4	117	2	A45953	Ig heavy chain pre	357	383.5	23.6	139	2	I47205	Ig heavy chain var
285	394.5	24.3	113	1	AVMS61	Ig heavy chain V-I	358	383.5	23.6	138	2	S31678	Ig heavy chain V r
286	394.5	24.3	136	2	S60296	Ig heavy-chain var	359	383	23.6	111	2	S51211	Ig heavy chain V r
287	394.5	24.3	142	1	EVTR2	Ig heavy chain pre	360	383	23.6	113	2	S25571	Ig heavy chain - h
288	394.5	24.3	146	2	I47196	Ig heavy chain var	361	382.5	23.6	116	2	S12557	Ig heavy chain - h
289	394.5	24.3	146	2	I47184	Ig heavy chain var	362	382.5	23.6	120	1	M3HUBW	Ig heavy chain V-I
290	394	24.3	98	2	S26342	Ig kappa chain V r	363	382.5	23.6	144	2	S30502	Ig heavy chain V r
291	394	24.3	108	2	PH1006	Ig heavy chain V r	364	382	23.6	90	2	S26339	Ig kappa chain V r
292	394	24.3	119	2	S37453	Ig mu chain - huma	365	382	23.6	102	2	S29582	Ig kappa chain V r
293	393.5	24.3	115	1	A2HUBU	Ig heavy chain V-I	366	382	23.6	106	2	S29583	Ig kappa chain V r
294	393.5	24.3	115	2	A25803	Ig heavy chain V r	367	381.5	23.5	97	2	S26935	Ig kappa chain V r
295	393.5	24.3	123	2	PC4281	Ig heavy chain V r	368	381.5	23.5	115	1	H3HUTL	Ig heavy chains V-
296	393.5	24.3	138	2	B56701	anti-SS-A/Ro 60K p	369	381.5	23.5	117	1	G2MS73	Ig heavy chain V r
297	393	24.2	93	2	S17640	Ig kappa chain V r	370	381	23.5	114	1	AVDGGM	Ig heavy chain V r
298	393	24.2	98	1	HVMS96	Ig heavy chain V r	371	381	23.5	114	1	AVDGGM	Ig heavy chain V r
299	393	24.2	98	2	S29545	Ig heavy chain V r	372	381	23.5	114	2	PH1658	Ig heavy chain V r
300	393	24.2	98	2	S26896	Ig heavy chain V r	373	381	23.5	118	2	A31485	Ig heavy chain V r
301	393	24.2	108	2	PH1011	Ig heavy chain V r	374	381	23.5	137	2	F34903	Ig heavy chain pre
302	393	24.2	109	2	S13699	Ig kappa chain V r	375	381	23.5	141	2	I47177	Ig H-chain - pig (
303	393	24.2	113	2	S02717	Ig heavy chain V r	376	380.5	23.5	113	1	HVMSAM	Ig heavy chain V r
304	392.5	24.2	109	2	PH1653	Ig heavy chain V r	377	380.5	23.5	123	2	A36006	Ig heavy chain V r
305	392.5	24.2	136	2	S31615	Ig heavy chain V r	378	380	23.4	98	2	S26927	Ig heavy chain V r
306	392	24.2	91	2	S17626	hypothetical prote	379	380	23.4	112	2	PH1654	Ig heavy chain V r
307	392	24.2	93	2	S17641	Ig kappa chain V r	380	380	23.4	118	2	S31677	Ig heavy chain V r
308	391.5	24.1	117	1	MHDGMO	Ig kappa chain V r	381	380	23.4	133	2	I47195	Ig heavy chain var
309	391	24.1	106	2	PS0072	Ig kappa chain V r	382	380	23.4	509	2	S17597	Ig delta chain (WI
310	391	24.1	108	1	S11125	Ig kappa chain V r	383	380	23.4	572	2	B46529	Ig Y heavy chain (
311	391	24.1	117	1	H3HU26	Ig heavy chain pre	384	379.5	23.4	116	2	B28966	Ig heavy chain pre
312	391	24.1	145	2	I47185	Ig heavy chain var	385	379.5	23.4	119	2	D30540	Ig heavy chain V r
313	390	24.0	98	2	S54856	Ig heavy chain V r	386	379	23.4	117	1	HVMS57	Ig heavy chain pre
314	390	24.0	108	2	PH1010	Ig heavy chain V r	387	379	23.4	122	2	S30533	Ig heavy chain V r
315	390	24.0	117	2	A34964	Ig heavy chain pre	388	379	23.4	127	2	S03326	Ig heavy chain pre
316	389.5	24.0	98	2	PH1061	Ig light chain V r	389	378.5	23.3	137	2	S58213	Ig heavy chain V r
317	389.5	24.0	117	2	S31109	Ig heavy chain - h	390	378.5	23.3	138	2	A30561	Ig heavy chain pre
318	389.5	24.0	119	1	GLHUNI	Ig heavy chain V-I	391	378	23.3	117	1	HVMS39	Ig heavy chain pre
319	389.5	24.0	136	2	S16847	Ig heavy chain V r	392	378	23.3	120	2	B49715	Ig heavy chain V r
320	389	24.0	93	2	S17642	Ig kappa chain V r	393	378	23.3	137	2	S42467	Ig heavy chain V r
321	389	24.0	108	2	PH1656	Ig heavy chain V r	394	377.5	23.3	119	1	ALHUBR	Ig heavy chain V-I

395	377.5	23.3	122	1	AVMSX2	Ig heavy chain V r	468	364.5	22.5	117	1	AIMS47	Ig heavy chain V r
396	377.5	23.3	124	2	PT0388	Ig heavy chain V r	469	364.5	22.5	123	2	PT0354	Ig heavy chain V r
397	377.5	23.3	140	2	S06816	Ig heavy chain pre	470	364.5	22.5	147	2	PH0131	Ig heavy chain pre
398	377	23.2	119	1	M3HULY	Ig heavy chain V-I	471	364.5	22.5	147	2	PH0125	Ig heavy chain pre
399	377	23.2	141	2	I47179	Ig heavy chain var	472	364	22.4	98	2	S26928	Ig heavy chain V r
400	377	23.2	147	2	I47183	Ig heavy chain var	473	364	22.4	122	2	S20642	Ig heavy chain V r
401	377	23.2	568	2	S34891	Ig heavy chain pre	474	363	22.4	100	2	S69896	Ig heavy chain V r
402	376.5	23.2	123	2	S34009	Ig heavy chain V r	475	363	22.4	102	2	S29588	Ig heavy chain V r
403	376	23.2	98	2	S26929	Ig heavy chain V r	476	363	22.4	108	2	S24251	Ig kappa chain V r
404	376	23.2	133	2	S31590	Ig heavy chain V r	477	363	22.4	110	2	S69897	Ig kappa chain V r
405	376	23.2	141	2	I47178	Ig heavy chain var	478	363	22.4	124	2	G30539	Ig heavy chain V r
406	375.5	23.2	138	2	A35676	Ig heavy chain pre	479	363	22.4	147	2	I47192	Ig heavy chain V r
407	375	23.1	122	2	A33989	Ig heavy chain pre	480	363	22.4	148	2	PH0121	Ig heavy chain var
408	375	23.1	145	2	S03844	Ig heavy chain V-I	481	363	22.4	148	2	PH0115	Ig heavy chain pre
409	374.5	23.1	121	2	S03958	Ig heavy chain V-D	482	362.5	22.3	97	2	S26890	Ig heavy chain pre
410	374	23.1	99	2	PH1060	Ig light chain V r	483	362.5	22.3	108	2	S19674	Ig heavy chain V r
411	374	23.1	117	1	HVMSRF	Ig heavy chain pre	484	362.5	22.3	123	1	AVMS14	Ig heavy chain V r
412	374	23.1	119	2	PH1546	Ig H chain V regio	485	362.5	22.3	123	1	AVMS14	Ig heavy chain V r
413	374	23.1	140	2	I47182	Ig heavy chain var	486	362.5	22.3	142	2	I47198	Ig heavy chain V r
414	372	22.9	114	2	PH1657	Ig heavy chain var	487	362	22.3	142	2	I47190	Ig heavy chain var
415	371.5	22.9	118	2	S38491	Ig heavy chain - h	488	361.5	22.3	113	2	PH1018	Ig heavy chain V r
416	371.5	22.9	123	2	I30538	Ig heavy chain V r	489	361.5	22.3	123	1	AVMSH8	Ig heavy chain V r
417	371	22.9	94	2	S20653	Ig heavy chain V r	490	361.5	22.3	125	2	C30540	Ig heavy chain V r
418	371	22.9	108	2	PH1651	Ig heavy chain V-J	491	361.5	22.3	147	2	PH0123	Ig heavy chain V r
419	371	22.9	115	2	S57445	Ig heavy chain V r	492	361	22.3	147	2	PH0124	Ig heavy chain pre
420	371	22.9	121	2	PT0391	Ig H chain V regio	493	361	22.3	116	1	HVMS44	Ig heavy chain pre
421	371	22.9	119	2	PH1549	Ig heavy chain V r	494	361	22.3	124	2	A30515	Ig heavy chain pre
422	371	22.9	127	2	PT0369	Ig gamma chain pre	495	361	22.3	148	2	PH0116	Ig heavy chain V r
423	370.5	22.8	96	2	PH0873	Ig heavy chain V r	496	361	22.3	148	2	PH0117	Ig heavy chain pre
424	370.5	22.8	123	1	AVMSH6	Ig heavy chain V r	497	360.5	22.2	103	2	PH1018	Ig heavy chain pre
425	370	22.8	94	2	PL0120	Ig heavy chain V r	498	360.5	22.2	118	2	S13698	Ig heavy chain pre
426	370	22.8	103	2	S13695	Ig heavy chain V r	499	360.5	22.2	142	2	D49590	Ig heavy chain V r
427	370	22.8	119	2	PH1554	Ig heavy chain V r	500	360	22.2	98	2	S26932	Ig heavy chain V r
428	370	22.8	137	2	A34903	Ig heavy chain V r	501	360	22.2	116	2	S13691	Ig heavy chain V r
429	369.5	22.8	123	2	S32186	Ig heavy chain V r	502	360	22.2	143	2	I47202	Ig heavy chain V r
430	369.5	22.8	148	2	I47210	Ig heavy chain V r	503	360	22.2	148	2	PH0119	Ig heavy chain pre
431	369.5	22.8	444	2	PC4436	monoclonal antibody	504	360	22.2	191	2	PL10048	Ig heavy chain pre
432	369	22.7	120	2	PH1650	Ig heavy chain V r	505	359.5	22.2	107	2	S36284	Ig heavy chain V r
433	369	22.7	124	2	S20775	Ig heavy chain V r	506	359.5	22.2	108	1	KLHUBN	Ig kappa chain V-I
434	368.5	22.7	120	2	PT0393	Ig heavy chain V r	507	359.5	22.2	108	1	KLHURY	Ig kappa chain V-I
435	368.5	22.7	142	2	I47206	Ig heavy chain V r	508	359.5	22.2	123	2	B30540	Ig heavy chain V r
436	368	22.7	119	2	PH1547	Ig heavy chain var	509	359	22.1	98	2	S26934	Ig heavy chain V r
437	368	22.7	137	2	E34903	Ig H chain V regio	510	359	22.1	113	2	S57441	Ig heavy chain V r
438	368	22.7	342	2	A46529	Ig heavy chain pre	511	359	22.1	122	1	AVMS63	Ig heavy chain V-J
439	367.5	22.7	108	2	B49047	Ig gamma chain (5.	512	359	22.1	122	1	AVMS63	Ig heavy chain V r
440	367.5	22.7	150	2	I47200	Ig kappa chain V r	513	359	22.1	124	2	A30556	Ig heavy chain V r
441	367	22.6	94	2	S20650	Ig heavy chain var	514	358.5	22.1	124	1	AVMS51	Ig heavy chain V r
442	367	22.6	101	2	S13696	Ig heavy chain V r	515	358.5	22.1	132	2	S40331	Ig heavy chain V r
443	367	22.6	101	2	C27889	Ig heavy chain V r	516	358.5	22.1	147	2	PH0127	Ig kappa chain - h
444	367	22.6	102	2	S13697	Ig heavy chain V r	517	358.5	22.1	147	2	PH0130	Ig heavy chain pre
445	367	22.6	118	2	E30540	Ig heavy chain V r	518	358	22.1	110	2	PH1093	Ig heavy chain pre
446	366.5	22.6	102	2	S14581	Ig heavy chain V r	519	357.5	22.0	127	2	S40367	Ig heavy chain V r
447	366.5	22.6	121	2	PT0352	Ig heavy chain V r	520	357.5	22.0	140	2	S32805	Ig kappa chain V-J
448	366.5	22.6	123	1	AVMS13	Ig heavy chain V r	521	357.5	22.0	230	2	S3161	Ig kappa chain pre
449	366.5	22.6	123	1	AVMS75	Ig heavy chain V r	522	357	22.0	123	2	PT0384	Ig kappa chain - s
450	366.5	22.6	135	2	S24320	Ig kappa chain pre	523	357	22.0	123	2	PT0386	Ig heavy chain V r
451	366	22.6	98	2	S26933	Ig heavy chain V r	524	356.5	22.0	116	1	ALH02P	Ig heavy chain V r
452	366	22.6	118	2	PT0355	Ig heavy chain V r	525	356.5	22.0	123	2	D30539	Ig heavy chain V-I
453	366	22.6	140	1	GIH0DB	Ig heavy chain V r	526	356.5	22.0	129	2	S52789	Ig heavy chain V r
454	366	22.6	124	2	A30539	Ig heavy chain V r	527	356	22.0	115	2	S13694	Ig kappa chain V r
455	366	22.6	124	2	E30539	Ig heavy chain V r	528	355.5	21.9	108	1	KLHURE	Ig kappa chain V-I
456	366	22.6	124	2	H30539	Ig heavy chain V-D	529	355.5	21.9	108	1	KLHURE	Ig kappa chain V-I
457	366	22.6	126	2	S4107	Ig heavy chain V r	530	355.5	21.9	122	2	PT0392	Ig heavy chain V r
458	366	22.6	126	2	S16280	Ig heavy chain (38	531	355.5	21.9	124	2	PT0389	Ig heavy chain V r
459	365.5	22.5	129	2	S32806	Ig kappa chain pre	532	355.5	21.9	125	2	PT0353	Ig heavy chain V r
460	365.5	22.5	220	2	S68211	Ig heavy chain (Ma	533	355.5	21.9	129	2	S52793	Ig kappa chain V r
461	365	22.5	101	2	PT0511	Ig heavy chain V-I	534	355.5	21.9	133	2	S34010	Ig kappa chain V r
462	365	22.5	116	2	H29380	Ig heavy chain pre	535	355.5	21.9	144	2	PL0106	Ig kappa chain V r
463	365	22.5	117	1	GIH0WS	Ig heavy chain V r	536	355	21.9	123	2	PT0380	Ig kappa chain pre
464	365	22.5	119	2	PH1555	Ig heavy chain V r	537	354.5	21.9	107	2	S36269	Ig heavy chain V r
465	365	22.5	120	2	A44371	Ig H chain V regio	538	354.5	21.9	123	2	B30556	Ig lambda chain V r
466	365	22.5	124	2	PT0539	Ig heavy chain V r	539	354.5	21.9	129	2	S40317	Ig heavy chain V r
467	365	22.5	137	2	I47193	Ig heavy chain var	540	354.5	21.9	129	2	S40369	Ig kappa chain - h

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OM protein - protein search, using sw model

Run on: December 29, 2004, 00:02:10 ; Search time 186 Seconds
(without alignments)
609.454 Million cell updates/sec

Title: US-09-403-882A-2

Perfect score: 1622

Sequence: 1 MAEVLQESGGGLVQPGSSR.....VLTITSLILMLWQKKPR 316

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2002273 seqs, 358729299 residues

Total number of hits satisfying chosen parameters: 2002273

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 65000 summaries

Database : A_Geneseq_23Sep04:*

1: _geneseqp1980s:*

2: _geneseqp1990s:*

3: _geneseqp2000s:*

4: _geneseqp2001s:*

5: _geneseqp2002s:*

6: _geneseqp2003as:*

7: _geneseqp2003bs:*

8: _geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1622	100.0	316	2	AAV32086 Single ch
2	1319	81.3	255	3	AAB11398 E. coli e
3	1319	81.3	255	4	AAB74199 PelB-scFv
4	1319	81.3	255	4	AAB70769 Expressio
5	1319	81.3	255	4	AAV72020 E. caroto
6	1237	76.3	241	6	ABR62010 Single-ch
7	1227	75.6	241	5	AAM48925 scFv anti
8	1194	73.6	236	2	AAAR32842 VH N010/1
9	1185	73.1	240	2	AAAR68613 Single ch
10	1097.5	67.7	223	2	AAAR32841 VH N010/1
11	1008	62.1	580	2	AAW90217 Bispesicfi
12	1001	61.7	556	2	AAW90218 Bispesicfi
13	976.5	60.2	237	7	AAR38657 Mouse G1
14	970.5	59.8	268	3	AAV44973 Recombina
15	967.5	59.6	268	3	AAV44972 Recombina
16	964.5	59.5	284	2	AAAR95569 Intracell
17	959	59.1	291	8	ADN06993 Human EFG
18	954	58.8	280	6	ABR42055 Newcastle
19	939	57.9	234	2	AAAR64819 OHVU10 Sc
20	938.5	57.9	235	2	AAAR32840 VH N02/12
21	937.5	57.8	272	8	ADOL19054 Human ant
22	937	57.8	258	2	AAW90221 Anti-B7.1
23	935.5	57.7	294	4	AAAB20442 Anti-FIX/
24	934.5	57.6	293	4	AAAG65715 Amino aci
25	928.5	57.2	282	6	ABJ19276 Anti-huma

99	884	54.5	242	6	ABR62131	Single ch	Abc62131	Single ch	172	861	53.1	282	2	AAW35564	Aaw35564 HindIII-E
100	884	54.5	246	8	ADH50844	SGIII RPE	Adh50844	SGIII RPE	173	861	53.1	492	8	ADQ91082	Adq91082 Antibody
101	883.5	54.5	239	7	ADG30415	Human GMB	Adg30415	Human GMB	174	860.5	53.1	241	5	ABP45878	Abp45878 Human Bly
102	882	54.4	266	8	ADH77307	Yeast k11	Adh77307	Yeast k11	175	860.5	53.1	241	7	ADG96705	Adg96705 Single ch
103	881.5	54.3	245	2	ADY06715	Antibody	Ady06715	Antibody	176	860.5	53.1	245	8	ADI58105	Adi58105 Reg IV-ep
104	881.5	54.3	245	8	ADY06715	Antibody	Ady06715	Antibody	177	860	53.0	240	4	ABP45998	Abp45998 Human MUC
105	881	54.3	246	8	ADH50843	Human c-m	Adh50843	Human c-m	178	860	53.0	240	4	ABP45998	Abp45998 Human MUC
106	880.5	54.3	246	8	ADH50843	Human c-m	Adh50843	Human c-m	179	860	53.0	240	4	ABP45998	Abp45998 Human MUC
107	880	54.3	247	8	ADH34575	scFv SC02	Adh34575	scFv SC02	180	860	53.0	492	8	ADQ91100	Adq91100 Human TF
108	878	54.1	240	4	ABP46002	Human MUC	Abp46002	Human MUC	181	859	53.0	492	8	ADQ91102	Adq91102 Antibody
109	878	54.1	240	4	ABP46002	Human MUC	Abp46002	Human MUC	182	859	53.0	240	4	ABP46002	Abp46002 Human TF
110	878	54.1	241	7	ADP31766	Human MUC	Adp31766	Human MUC	183	859	53.0	240	4	ABP46002	Abp46002 Human TF
111	877	54.1	270	2	ABP45998	Human Bly	Abp45998	Human Bly	184	859	53.0	248	5	ABP44993	Abp44993 Human Bly
112	876.5	54.0	238	5	ABP45998	Human Bly	Abp45998	Human Bly	185	859	53.0	248	5	ABP44993	Abp44993 Human Bly
113	876.5	54.0	238	5	ABP45998	Human Bly	Abp45998	Human Bly	186	858.5	52.9	495	5	ADG95820	Adg95820 Single ch
114	876.5	54.0	238	5	ABP45998	Human Bly	Abp45998	Human Bly	187	858.5	52.9	284	2	ADG95820	Adg95820 Single ch
115	876.5	54.0	238	5	ABP45998	Human Bly	Abp45998	Human Bly	188	858.5	52.9	284	2	ADG95820	Adg95820 Single ch
116	875.5	54.0	239	8	ADK18222	Antigen-b	Adk18222	Antigen-b	189	858	52.9	240	4	AAW50155	Aaw50155 Type II c
117	875.5	54.0	239	7	ADG96738	Mouse kin	Adg96738	Mouse kin	190	857.5	52.9	240	4	AAW50155	Aaw50155 Type II c
118	875.5	54.0	301	4	ABP45911	Human Bly	Abp45911	Human Bly	191	857.5	52.9	242	5	AAU90904	Aau90904 Human MUC
119	875	53.9	240	4	ABP45911	Human Bly	Abp45911	Human Bly	192	857.5	52.9	247	5	AAU90904	Aau90904 Human MUC
120	875	53.9	240	4	ABP45911	Human Bly	Abp45911	Human Bly	193	857.5	52.9	247	5	AAU90904	Aau90904 Human MUC
121	874.5	53.9	243	8	ADN36307	Hamster a	Adn36307	Hamster a	194	857.5	52.9	556	4	AAU90904	Aau90904 Human MUC
122	874.5	53.9	243	8	ADN36307	Hamster a	Adn36307	Hamster a	195	857.5	52.9	556	4	AAU90904	Aau90904 Human MUC
123	874	53.9	240	4	ABP46039	Human TF	Abp46039	Human TF	196	857	52.8	240	4	AAU90904	Aau90904 Human MUC
124	873.5	53.9	330	4	ABP46039	Human TF	Abp46039	Human TF	197	857	52.8	240	4	AAU90904	Aau90904 Human MUC
125	873.5	53.9	301	2	AAW11507	SNV-env 1	Aaw11507	SNV-env 1	198	856.5	52.8	254	8	AAU90904	Aau90904 Human MUC
126	873.5	53.9	301	4	AAW11507	SNV-env 1	Aaw11507	SNV-env 1	199	856.5	52.8	254	8	AAU90904	Aau90904 Human MUC
127	873	53.8	240	4	ABP46038	Human TF	Abp46038	Human TF	200	856	52.8	240	4	AAU90904	Aau90904 Human MUC
128	873	53.8	240	4	ABP46038	Human TF	Abp46038	Human TF	201	856	52.8	240	4	AAU90904	Aau90904 Human MUC
129	873	53.8	492	8	ADQ91084	Antibody	Adq91084	Antibody	202	856	52.8	240	4	AAU90904	Aau90904 Human MUC
130	873	53.8	492	8	ADQ91084	Antibody	Adq91084	Antibody	203	855.5	52.7	295	8	ADN07004	Adn07004 Human BFG
131	872.5	53.8	732	3	AAW20437	Anti-FIX/	Aaw20437	Anti-FIX/	204	855	52.7	240	4	AAW20437	Aaw20437 Human BFG
132	872	53.8	242	3	AAW20437	Anti-FIX/	Aaw20437	Anti-FIX/	205	855	52.7	240	4	AAW20437	Aaw20437 Human BFG
133	871.5	53.7	247	5	ABP45865	Human Bly	Abp45865	Human Bly	206	855	52.7	240	4	AAW20437	Aaw20437 Human BFG
134	871.5	53.7	247	5	ABP45865	Human Bly	Abp45865	Human Bly	207	855	52.7	244	2	AAW20437	Aaw20437 Human BFG
135	871	53.7	247	5	ABP45865	Human Bly	Abp45865	Human Bly	208	855	52.7	244	2	AAW20437	Aaw20437 Human BFG
136	871	53.7	248	5	ABP45865	Human Bly	Abp45865	Human Bly	209	855	52.7	256	4	AAW20437	Aaw20437 Human BFG
137	870.5	53.7	248	7	ADG96692	Single ch	Adg96692	Single ch	210	854	52.7	239	5	AAU90905	Aau90905 Human c-m
138	870	53.6	240	4	ABP46018	Human MUC	Abp46018	Human MUC	211	854	52.7	240	4	AAU90905	Aau90905 Human c-m
139	869	53.6	240	4	ABP46018	Human MUC	Abp46018	Human MUC	212	854	52.7	788	2	AAW53882	Aaw53882 Human MUC
140	869	53.6	240	4	ABP46018	Human MUC	Abp46018	Human MUC	213	853.5	52.6	242	2	AAW53882	Aaw53882 Human MUC
141	869	53.6	240	4	ABP46018	Human MUC	Abp46018	Human MUC	214	853	52.6	240	4	AAW53882	Aaw53882 Human MUC
142	868.5	53.6	492	8	ADQ91080	Antibody	Adq91080	Antibody	215	853	52.6	240	4	AAW53882	Aaw53882 Human MUC
143	868	53.5	325	4	ABP46043	Anti-FIX/	Abp46043	Anti-FIX/	216	853	52.6	240	4	AAW53882	Aaw53882 Human MUC
144	868	53.5	244	8	ADK18141	CAB1-ecFv	Adk18141	CAB1-ecFv	217	853	52.6	240	4	AAW53882	Aaw53882 Human MUC
145	868	53.5	244	8	ADK18141	CAB1-ecFv	Adk18141	CAB1-ecFv	218	853	52.6	240	4	AAW53882	Aaw53882 Human MUC
146	868	53.5	492	8	ADQ91092	Antibody	Adq91092	Antibody	219	852.5	52.5	615	7	ADG32341	Adg32341 Fusion pr
147	867	53.5	240	4	ABP46045	Human TF	Abp46045	Human TF	220	852	52.5	239	6	AAW53882	Aaw53882 Human MUC
148	867	53.5	240	4	ABP46045	Human TF	Abp46045	Human TF	221	852	52.5	239	6	AAW53882	Aaw53882 Human MUC
149	867	53.5	409	5	ABP46045	Human TF	Abp46045	Human TF	222	852	52.5	239	6	AAW53882	Aaw53882 Human MUC
150	867	53.5	492	8	ADQ91106	Antibody	Adq91106	Antibody	223	852	52.5	239	6	AAW53882	Aaw53882 Human MUC
151	867	53.5	492	8	ADQ91106	Antibody	Adq91106	Antibody	224	852	52.5	239	6	AAW53882	Aaw53882 Human MUC
152	867	53.5	492	8	ADQ91106	Antibody	Adq91106	Antibody	225	852	52.5	599	3	AAW53882	Aaw53882 Human MUC
153	867	53.5	492	8	ADQ91106	Antibody	Adq91106	Antibody	226	851.5	52.5	599	3	AAW53882	Aaw53882 Human MUC
154	867	53.5	531	3	AAW43749	scFv	Aaw43749	scFv	227	851.5	52.5	241	7	ADG96717	Adg96717 Single ch
155	866.5	53.4	281	6	ABP43733	Antibody	Abp43733	Antibody	228	851.5	52.5	251	5	ADG96717	Adg96717 Single ch
156	866	53.4	240	4	ABP43733	Antibody	Abp43733	Antibody	229	851.5	52.5	251	5	ADG96717	Adg96717 Single ch
157	864.5	53.3	238	5	ABP45961	Human TF	Abp45961	Human TF	230	851	52.5	246	2	AAW53882	Aaw53882 Human MUC
158	864.5	53.3	239	5	ABP45961	Human TF	Abp45961	Human TF	231	851	52.5	246	2	AAW53882	Aaw53882 Human MUC
159	864.5	53.3	239	7	ADG96698	Human Bly	Adg96698	Human Bly	232	851	52.5	492	8	ADQ91104	Adq91104 Antibody
160	864	53.3	258	4	ABP46043	Anti-FIX/	Abp46043	Anti-FIX/	233	850.5	52.4	242	2	AAW53882	Aaw53882 Human MUC
161	864	53.3	492	8	ADQ91090	Antibody	Adq91090	Antibody	234	850	52.4	240	4	AAW53882	Aaw53882 Human MUC
162	863.5	53.2	249	4	ABP46043	Anti-FIX/	Abp46043	Anti-FIX/	235	850	52.4	244	8	ADH34565	Adh34565 scFv SC02
163	863	53.2	240	4	ABP46043	Anti-FIX/	Abp46043	Anti-FIX/	236	850	52.4	599	2	AAW53882	Aaw53882 Human MUC
164	862	53.1	240	4	ABP46043	Human TF	Abp46043	Human TF	237	850	52.4	599	2	AAW53882	Aaw53882 Human MUC
165	862	53.1	240	4	ABP46043	Human TF	Abp46043	Human TF	238	849	52.3	240	4	AAW53882	Aaw53882 Human MUC
166	862	53.1	242	2	AAW53881	Firefly 1	Aaw53881	Firefly 1	239	849	52.3	562	6	ABP46009	Abp46009 Human MUC
167	862	53.1	492	8	ADQ91096	Antibody	Adq91096	Antibody	240	847.5	52.3	638	8	ADL27333	Adl27333 Amino aci
168	861	53.1	239	3	ABP12563	Antibody	Abp12563	Antibody	241	847	52.2	240	4	ABP46014	Abp46014 Human MUC
169	861	53.1	239	3	ABP12563	Antibody	Abp12563	Antibody	242	847	52.2	244	8	ADL27333	Adl27333 Amino aci
170	861	53.1	269	2	ABP36826	Anti-TAC	Abp36826	Anti-TAC	243	846.5	52.2	241	5	ABP45876	Abp45876 Human Bly
171	861	53.1	282	2	AAW09818	VH4715-1i	Aaw09818	VH4715-1i	244	846.5	52.2	241	7	ADG96703	Adg96703 Single ch

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OM protein - protein search, using sw model

Run on: December 29, 2004, 01:16:25 ; Search time 51 Seconds
(without alignments)
410.912 Million cell upda

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Perfect score:

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Listing first 6500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query %			DB	ID	Description
	Score	Match	Length			
1	1319	81.3	255	3	US-09-553-498-8	Sequence 8, Appli
2	1319	81.3	255	4	US-09-618-869-8	Sequence 8, Appli
3	1199	73.9	236	2	US-08-190-199A-65	Sequence 65, Appli
4	1195	73.1	240	2	US-08-956-047-25	Sequence 25, Appli
5	1102.5	68.0	223	2	US-08-190-199A-63	Sequence 63, Appli
6	964.5	59.5	284	3	US-08-564-164A-2	Sequence 2, Appli
7	943.5	58.2	235	2	US-08-190-199A-61	Sequence 61, Appli
8	949	56.7	553	2	US-08-661-052-16	Sequence 16, Appli
9	919	56.7	553	3	US-09-188-082-16	Sequence 16, Appli
10	919	56.7	553	3	US-09-364-088-16	Sequence 16, Appli
11	919	56.7	553	3	US-09-102-716-16	Sequence 16, Appli
12	907	55.9	353	4	US-09-203-958A-4	Sequence 4, Appli
13	900.5	55.5	281	3	US-09-423-439-44	Sequence 44, Appli
14	897.5	55.3	240	4	US-09-138-091A-76	Sequence 76, Appli
15	894	55.1	240	4	US-09-192-854-2	Sequence 2, Appli
16	890.5	54.9	245	3	US-08-918-148-75	Sequence 75, Appli
17	890.5	54.9	245	3	US-08-918-148-78	Sequence 78, Appli
18	890.5	54.9	245	4	US-09-138-091A-73	Sequence 73, Appli
19	881.5	54.3	245	4	US-08-918-148-76	Sequence 76, Appli
20	881.5	54.3	245	4	US-09-138-091A-74	Sequence 74, Appli
21	877	54.1	270	2	US-08-652-507-2	Sequence 2, Appli
22	873.5	53.9	301	2	US-08-661-052-14	Sequence 14, Appli
23	873.5	53.9	301	3	US-09-188-082-14	Sequence 14, Appli
24	873.5	53.9	301	3	US-09-164-088-14	Sequence 14, Appli
25	873.5	53.9	301	3	US-09-102-716-14	Sequence 14, Appli
26	864	53.3	258	4	US-09-526-738A-4	Sequence 4, Appli
27	861	53.1	239	3	US-08-379-772A-8	Sequence 8, Appli

101	725	44.7	535	3	US-08-983-035A-38	Sequence 38, Appl	174	615.5	37.9	483	3	US-09-166-750-19	Sequence 19, Appl
102	717	44.2	248	4	US-09-649-063-23	Sequence 23, Appl	175	615.5	37.9	483	3	US-09-166-093-19	Sequence 19, Appl
103	716	44.1	240	1	US-10-092-246-37	Sequence 37, Appl	176	615.5	37.9	483	3	US-09-172-019-19	Sequence 19, Appl
104	713.5	44.0	246	1	US-07-843-125-11	Sequence 11, Appl	177	615.5	37.9	483	3	US-09-166-094-19	Sequence 19, Appl
105	712	43.9	269	3	US-08-646-265A-109	Sequence 109, App	178	615.5	37.9	483	4	US-09-443-213-19	Sequence 5, Appl
106	710	43.8	354	4	US-09-393-627B-28	Sequence 28, Appl	179	611.5	37.7	258	2	US-08-665-202-5	Sequence 5, Appl
107	709	43.7	273	2	US-08-403-853-18	Sequence 18, Appl	180	611.5	37.7	258	4	US-09-315-574-5	Sequence 5, Appl
108	705	43.5	230	3	US-09-485-737B-102	Sequence 102, App	181	607	37.4	553	2	US-08-263-911-9	Sequence 9, Appl
109	705	43.5	265	2	US-08-403-853-16	Sequence 16, Appl	182	606	37.4	244	3	US-08-918-148-79	Sequence 79, Appl
110	700.5	43.2	615	4	US-08-840-713-35	Sequence 35, Appl	183	606	37.4	244	4	US-09-138-091A-77	Sequence 77, Appl
111	700.5	43.2	617	4	US-08-840-713-37	Sequence 37, Appl	184	605	37.3	274	2	US-08-860-174A-12	Sequence 12, Appl
112	700	43.2	637	1	US-08-235-838-14	Sequence 14, Appl	185	597.5	36.8	249	3	US-08-918-148-74	Sequence 74, Appl
113	700	43.2	637	2	US-08-465-473B-14	Sequence 14, Appl	186	597.5	36.8	249	4	US-09-138-091A-72	Sequence 72, Appl
114	700	43.2	711	1	US-08-235-838-7	Sequence 7, Appl	187	573.5	35.4	252	1	US-08-133-804-4	Sequence 4, Appl
115	700	43.2	711	2	US-08-235-838-7	Sequence 7, Appl	188	573.5	35.4	252	1	US-08-461-838-4	Sequence 4, Appl
116	699	43.1	530	4	US-08-465-473B-7	Sequence 7, Appl	189	573.5	35.4	252	2	US-08-461-386-4	Sequence 4, Appl
117	697.5	43.0	228	5	PCT-US92-08257-9	Sequence 9, Appl	190	573	35.3	135	2	US-08-956-047-34	Sequence 4, Appl
118	696.5	42.9	355	3	US-08-875-811-57	Sequence 57, Appl	191	572.5	35.3	246	1	US-08-257-341-7	Sequence 34, Appl
119	695.5	42.9	257	4	US-10-092-246-2	Sequence 2, Appl	192	572.5	35.3	367	1	US-08-257-341-5	Sequence 7, Appl
120	695	42.8	241	1	US-08-235-838-5	Sequence 5, Appl	193	567	35.0	113	2	US-08-956-047-30	Sequence 30, Appl
121	695	42.8	241	2	US-08-465-473B-5	Sequence 5, Appl	194	567	35.0	269	4	US-09-358-321C-32	Sequence 32, Appl
122	693.5	42.8	673	3	US-09-423-439-32	Sequence 32, Appl	195	567	35.0	280	3	US-09-214-095D-119	Sequence 119, App
123	691	42.6	366	3	US-08-800-198-8	Sequence 8, Appl	196	563	34.7	638	3	US-09-070-637-20	Sequence 20, Appl
124	690	42.5	240	3	US-08-800-198-8	Sequence 8, Appl	197	554.5	34.2	489	5	PCT-US95-11405-35	Sequence 35, Appl
125	689	42.5	287	4	US-09-318-786-37	Sequence 37, Appl	198	539	33.2	170	2	US-08-652-558-40	Sequence 40, Appl
126	684.5	42.2	239	4	US-10-092-246-33	Sequence 33, Appl	199	535	33.0	128	2	US-08-956-047-31	Sequence 31, Appl
127	683.5	42.1	239	4	US-10-092-246-32	Sequence 32, Appl	200	534.5	33.0	117	2	US-08-652-558-51	Sequence 51, Appl
128	683	42.1	239	4	US-10-092-246-34	Sequence 34, Appl	201	534	32.9	106	2	US-08-956-047-33	Sequence 33, Appl
129	683	42.1	268	4	US-10-092-246-11	Sequence 11, Appl	202	530	32.7	117	1	US-07-942-245-32	Sequence 32, Appl
130	683	42.1	268	4	US-09-976-118-1	Sequence 1, Appl	203	528	32.6	135	3	US-08-619-491-4	Sequence 4, Appl
131	682.5	42.1	534	2	US-08-356-786-10	Sequence 10, Appl	204	528	32.6	135	5	PCT-US95-07302-4	Sequence 4, Appl
132	682	42.0	365	3	US-08-875-811-53	Sequence 53, Appl	205	522	32.2	131	2	US-08-983-607-28	Sequence 28, Appl
133	673.5	41.5	249	2	US-08-797-689-18	Sequence 18, Appl	206	518.5	32.0	117	3	US-08-650-262-4	Sequence 4, Appl
134	673.5	41.5	249	4	US-09-984-186-18	Sequence 18, Appl	207	518	31.9	108	4	US-09-948-004-28	Sequence 28, Appl
135	671.5	41.4	334	4	US-09-646-028-53	Sequence 53, Appl	208	518	31.9	140	3	US-08-983-607-32	Sequence 32, Appl
136	671.5	41.4	339	4	US-09-646-028-55	Sequence 55, Appl	209	516	31.8	270	4	US-09-976-118-2	Sequence 2, Appl
137	671.5	41.4	348	4	US-09-646-028-51	Sequence 51, Appl	210	505.5	31.2	119	3	US-09-408-535-2	Sequence 2, Appl
138	670.5	41.3	260	2	US-08-447-402-1	Sequence 1, Appl	211	505	31.1	106	3	US-08-397-411-9	Sequence 9, Appl
139	666	41.1	637	1	US-08-235-838-16	Sequence 16, Appl	212	503	31.0	235	2	US-08-303-569B-5	Sequence 5, Appl
140	666	41.1	637	2	US-08-465-473B-16	Sequence 16, Appl	213	503	31.0	235	2	US-08-116-247-5	Sequence 5, Appl
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143	654.5	40.4	269	3	US-09-070-408-132	Sequence 132, App	216	502	30.9	103	1	US-08-467-393-4	Sequence 4, Appl
144	648.5	40.0	278	3	US-09-260-527-3	Sequence 3, Appl	217	502	30.9	135	5	PCT-US95-07302-8	Sequence 8, Appl
145	642.5	39.6	240	2	US-08-459-354-4	Sequence 4, Appl	218	501	30.9	117	1	US-07-942-245-38	Sequence 38, Appl
146	642.5	39.6	240	2	US-08-077-253-4	Sequence 4, Appl	219	501	30.9	128	2	US-08-656-586-2	Sequence 2, Appl
147	642.5	39.6	240	3	US-08-333-840-4	Sequence 4, Appl	220	499	30.8	107	2	US-08-303-569B-29	Sequence 29, Appl
148	640.5	39.5	225	6	5455030-5	Patent No. 5455030	221	499	30.8	107	2	US-08-070-116A-6	Sequence 6, Appl
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150	639.5	39.4	250	1	US-08-461-184-8	Sequence 8, Appl	223	499	30.8	107	4	US-08-557-050-6	Sequence 6, Appl
151	639.5	39.4	250	1	US-08-463-675-8	Sequence 8, Appl	224	499	30.8	107	4	US-08-795-515-29	Sequence 29, Appl
152	639.5	39.4	250	1	US-08-464-589-8	Sequence 8, Appl	225	499	30.8	107	4	US-09-348-224-8	Sequence 8, Appl
153	639.5	39.4	250	1	US-08-461-838-2	Sequence 2, Appl	226	498.5	30.7	110	3	US-08-836-561-33	Sequence 33, Appl
154	639.5	39.4	250	1	US-08-461-386-2	Sequence 2, Appl	227	498.5	30.7	110	3	US-09-434-122-33	Sequence 33, Appl
155	639.5	39.4	250	2	US-08-752-844-66	Sequence 66, Appl	228	498	30.7	135	3	US-08-619-491-8	Sequence 8, Appl
156	637.5	39.3	263	4	US-09-293-533-66	Sequence 66, Appl	229	497	30.6	100	2	US-08-308-494A-19	Sequence 19, Appl
157	637.5	39.3	263	4	US-08-133-804-6	Sequence 6, Appl	230	496.5	30.6	443	5	PCT-US96-13152-4	Sequence 4, Appl
158	634.5	39.1	243	1	US-08-461-838-6	Sequence 6, Appl	231	495.5	30.5	255	2	US-07-690-192-4	Sequence 4, Appl
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160	634.5	39.1	243	2	US-08-356-786-4	Sequence 4, Appl	233	490.5	30.2	125	2	US-08-331-397B-65	Sequence 65, Appl
161	634	39.1	352	4	US-09-203-958A-2	Sequence 2, Appl	234	490.5	30.2	125	2	US-08-759-804A-64	Sequence 64, Appl
162	634	39.1	352	2	US-08-894-922A-14	Sequence 14, Appl	235	490	30.2	128	3	US-08-619-491-2	Sequence 2, Appl
163	627	38.8	271	2	US-08-894-922A-10	Sequence 10, Appl	236	490	30.2	128	5	PCT-US95-07302-2	Sequence 2, Appl
164	627	38.7	348	4	US-09-646-028-12	Sequence 12, Appl	237	486.5	30.0	107	1	US-07-942-245-3	Sequence 3, Appl
165	625	38.5	361	4	US-08-263-911-7	Sequence 7, Appl	238	486	30.0	248	4	US-09-315-526A-80	Sequence 80, Appl
166	622.5	38.4	402	2	US-08-491-988-9	Sequence 9, Appl	239	486	30.0	456	4	US-09-495-880A-11	Sequence 11, Appl
167	620	38.2	252	2	US-08-894-922A-72	Sequence 72, Appl	240	485.5	29.9	117	2	US-08-652-558-46	Sequence 46, Appl
168	619.5	38.2	269	2	US-08-428-257A-14	Sequence 14, Appl	241	485	29.9	108	3	US-09-171-945-9	Sequence 9, Appl
169	619.5	38.2	269	2	US-08-491-988-3	Sequence 3, Appl	242	485	29.9	235	3	US-09-171-945-17	Sequence 17, Appl
170	619.5	38.2	415	2	US-08-491-988-7	Sequence 7, Appl	243	483.5	29.8	451	3	US-09-472-087-70	Sequence 70, Appl
171	619.5	38.2	435	2	US-08-491-988-5	Sequence 5, Appl	244	482.5	29.7	117	2	US-08-652-558-45	Sequence 45, Appl
172	616.5	38.0	622	2	US-08-356-786-16	Sequence 16, Appl	245	480.5	29.6	117	2	US-08-652-558-44	Sequence 44, Appl
173	615.5	37.9	483	2	US-08-392-338A-19	Sequence 19, Appl	246	479	29.5	117	1	US-07-942-245-34	Sequence 34, Appl

247	477	29.4	225	4	US-09-456-090A-60	Sequence 60, Appl	320	455	28.1	139	1	US-08-129-930B-96	Sequence 96, Appl
248	477	29.4	225	4	US-09-456-090A-92	Sequence 92, Appl	321	455	28.1	139	3	US-08-134-346A-51	Sequence 51, Appl
249	477	29.4	225	4	US-09-453-234-60	Sequence 60, Appl	322	455	28.1	139	3	US-08-976-288A-96	Sequence 96, Appl
250	477	29.4	225	4	US-09-453-234-92	Sequence 92, Appl	323	455	28.1	225	4	US-09-456-090A-58	Sequence 58, Appl
251	476	29.3	225	4	US-09-456-090A-108	Sequence 108, App	324	455	28.1	225	4	US-09-453-234-58	Sequence 58, Appl
252	476	29.3	225	4	US-09-453-234-108	Sequence 108, App	325	454.5	28.0	300	2	US-08-661-052-4	Sequence 4, Appl
253	474.5	29.3	117	1	US-08-652-558-3	Sequence 3, Appl	326	454.5	28.0	300	3	US-09-188-082-4	Sequence 4, Appl
254	474	29.2	117	1	US-07-942-245-36	Sequence 36, Appl	327	454.5	28.0	300	3	US-09-364-088-4	Sequence 4, Appl
255	474	29.2	225	4	US-09-456-090A-56	Sequence 56, Appl	328	454.5	28.0	300	3	US-09-102-716-4	Sequence 4, Appl
256	474	29.2	225	4	US-09-453-234-56	Sequence 56, Appl	329	454	28.0	144	4	US-09-318-786-29	Sequence 29, Appl
257	473.5	29.2	123	2	US-08-665-202-30	Sequence 30, Appl	330	454	28.0	225	4	US-09-456-090A-66	Sequence 66, Appl
258	473.5	29.2	123	4	US-09-315-574-30	Sequence 30, Appl	331	454	28.0	225	4	US-09-453-234-66	Sequence 66, Appl
259	472	29.1	217	5	PCT-US94-14106-59	Sequence 59, Appl	332	454	28.0	447	6	5455030-1	Patent No. 5455030
260	472	29.1	225	4	US-09-456-090A-68	Sequence 68, Appl	333	453.5	28.0	213	2	US-08-737-129A-4	Sequence 4, Appl
261	472	29.1	225	4	US-09-453-234-68	Sequence 68, Appl	334	453	27.9	106	1	US-07-634-278-1	Sequence 1, Appl
262	471	29.0	225	4	US-09-456-090A-102	Sequence 102, App	335	453	27.9	106	1	US-07-634-278-16	Sequence 16, Appl
263	471	29.0	225	4	US-09-456-090A-106	Sequence 106, App	336	453	27.9	106	1	US-08-477-728-1	Sequence 1, Appl
264	471	29.0	225	4	US-09-453-234-102	Sequence 102, App	337	453	27.9	106	1	US-08-477-728-16	Sequence 16, Appl
265	471	29.0	225	4	US-09-453-234-106	Sequence 106, App	338	453	27.9	106	1	US-08-474-040-1	Sequence 1, Appl
266	469	28.9	225	4	US-09-456-090A-110	Sequence 110, App	339	453	27.9	106	1	US-08-474-040-16	Sequence 16, Appl
267	469	28.9	225	4	US-09-453-234-110	Sequence 110, App	340	453	27.9	106	1	US-08-487-200-1	Sequence 1, Appl
268	468	28.9	225	4	US-09-456-090A-94	Sequence 94, Appl	341	453	27.9	106	1	US-08-487-200-16	Sequence 16, Appl
269	468	28.9	225	4	US-09-453-234-94	Sequence 94, Appl	342	453	27.9	106	1	US-08-488-113B-163	Sequence 163, App
270	468	28.9	463	4	US-09-472-087-1	Sequence 1, Appl	343	453	27.9	106	1	US-08-477-484B-163	Sequence 163, App
271	468	28.9	463	4	US-09-472-087-63	Sequence 63, Appl	344	453	27.9	106	1	US-08-107-669D-49	Sequence 49, Appl
272	468	28.9	463	4	US-09-472-087-64	Sequence 64, Appl	345	453	27.9	106	1	US-08-472-788A-83	Sequence 83, Appl
273	466	28.7	89	4	US-09-840-459-50	Sequence 50, Appl	346	453	27.9	106	2	US-08-477-531B-49	Sequence 49, Appl
274	466	28.7	89	4	US-09-497-625A-50	Sequence 50, Appl	347	453	27.9	106	2	US-08-646-360-163	Sequence 163, App
275	466	28.7	225	4	US-09-456-090A-70	Sequence 70, Appl	348	453	27.9	106	2	US-08-082-842A-83	Sequence 83, Appl
276	466	28.7	225	4	US-09-453-234-70	Sequence 70, Appl	349	453	27.9	106	3	US-08-839-765-163	Sequence 163, App
277	466	28.7	247	5	PCT-US94-07659-2	Sequence 2, Appl	350	453	27.9	106	3	US-09-136-389-163	Sequence 163, App
278	466	28.7	463	4	US-09-472-087-4	Sequence 4, Appl	351	453	27.9	106	3	US-08-484-537-1	Sequence 1, Appl
279	466	28.7	463	4	US-09-472-087-68	Sequence 68, Appl	352	453	27.9	106	3	US-08-484-537-16	Sequence 16, Appl
280	464.5	28.6	119	1	US-08-053-171-12	Sequence 12, Appl	353	453	27.9	106	3	US-09-610-838-163	Sequence 163, App
281	464	28.6	258	2	US-08-860-174A-13	Sequence 13, Appl	354	453	27.9	106	4	US-09-711-485-163	Sequence 163, App
282	464	28.6	260	4	US-09-742-693-31	Sequence 31, Appl	355	453	27.9	128	3	US-08-444-644-15	Sequence 15, Appl
283	463	28.5	105	4	US-09-091-071-1	Sequence 1, Appl	356	453	27.9	128	3	US-08-232-246A-15	Sequence 15, Appl
284	463	28.5	260	4	US-09-742-693-32	Sequence 32, Appl	357	453	27.9	467	1	US-08-704-744-81	Sequence 81, Appl
285	462.5	28.5	117	3	US-09-025-769B-24	Sequence 24, Appl	358	452.5	27.9	117	4	US-09-339-922A-2	Sequence 2, Appl
286	462.5	28.5	117	4	US-09-490-070A-24	Sequence 24, Appl	359	452.5	27.9	117	4	US-08-791-391A-2	Sequence 2, Appl
287	462.5	28.5	117	4	US-09-490-070A-24	Sequence 24, Appl	360	452.5	27.9	117	4	US-09-016-061-2	Sequence 2, Appl
288	462	28.5	215	6	5455030-3	Patent No. 5455030	361	452.5	27.9	123	4	US-09-840-459-82	Sequence 82, Appl
289	461	28.4	107	1	US-08-211-202-3	Sequence 3, Appl	362	452.5	27.9	123	4	US-09-497-625A-82	Sequence 82, Appl
290	460.5	28.4	464	4	US-09-472-087-2	Sequence 2, Appl	363	452	27.9	225	4	US-09-456-090A-62	Sequence 62, Appl
291	460.5	28.4	464	4	US-09-472-087-66	Sequence 66, Appl	364	452	27.9	225	4	US-09-453-234-62	Sequence 62, Appl
292	460	28.4	105	1	US-08-459-310-4	Sequence 4, Appl	365	451.5	27.8	119	4	US-08-875-674A-1	Sequence 1, Appl
293	460	28.4	129	2	US-08-116-778B-2	Sequence 2, Appl	366	450.5	27.8	251	1	US-08-398-612A-30	Sequence 30, Appl
294	460	28.4	129	2	US-08-438-562-2	Sequence 2, Appl	367	450.5	27.8	251	1	US-08-398-611A-30	Sequence 30, Appl
295	460	28.4	129	2	US-08-483-528B-92	Sequence 92, Appl	368	450.5	27.8	251	2	US-08-491-334A-30	Sequence 30, Appl
296	459	28.3	112	3	US-08-783-853A-103	Sequence 103, App	369	450.5	27.8	251	3	US-09-027-449-27	Sequence 27, Appl
297	459	28.3	112	3	US-09-344-050-103	Sequence 103, App	370	450.5	27.8	251	3	US-08-804-444A-27	Sequence 27, Appl
298	459	28.3	135	3	US-08-579-378A-20	Sequence 20, Appl	371	450.5	27.8	251	3	US-09-026-985-27	Sequence 27, Appl
299	459	28.3	167	4	US-09-318-786-31	Sequence 31, Appl	372	450.5	27.8	251	4	US-09-121-952A-27	Sequence 27, Appl
300	459	28.3	225	4	US-09-456-090A-100	Sequence 100, App	373	450.5	27.8	251	4	US-09-234-340A-27	Sequence 27, Appl
301	459	28.3	225	4	US-09-453-234-100	Sequence 100, App	374	450.5	27.8	252	1	US-08-398-613A-30	Sequence 30, Appl
302	459	28.3	374	4	US-09-646-028-15	Sequence 15, Appl	375	450	27.7	106	2	US-08-290-592B-35	Sequence 35, Appl
303	458.5	28.3	119	1	US-08-053-171-13	Sequence 13, Appl	376	450	27.7	106	3	US-08-783-853A-105	Sequence 105, App
304	458.5	28.3	119	1	US-08-053-171-14	Sequence 14, Appl	377	450	27.7	106	3	US-09-344-050-105	Sequence 105, App
305	458.5	28.3	119	1	US-08-053-171-17	Sequence 17, Appl	378	450	27.7	106	5	PCT-US95-10053-32	Sequence 32, Appl
306	458.5	28.3	119	3	US-08-615-190A-13	Sequence 13, Appl	379	450	27.7	106	5	PCT-US96-09448-35	Sequence 35, Appl
307	458	28.2	128	3	US-08-444-644-25	Sequence 25, Appl	380	449.5	27.7	259	4	US-09-742-693-33	Sequence 33, Appl
308	458	28.2	128	3	US-08-232-246A-25	Sequence 25, Appl	381	449	27.7	124	4	US-09-518-737-2	Sequence 2, Appl
309	456.5	28.1	138	1	US-08-053-171-7	Sequence 7, Appl	382	449	27.7	225	4	US-09-456-090A-98	Sequence 98, Appl
310	456.5	28.1	138	1	US-08-053-171-11	Sequence 11, Appl	383	449	27.7	225	4	US-09-453-234-98	Sequence 98, Appl
311	456	28.1	104	3	US-08-479-089A-5	Sequence 5, Appl	384	449	27.7	235	3	US-09-423-439-18	Sequence 18, Appl
312	456	28.1	104	3	US-08-479-089A-6	Sequence 6, Appl	385	449	27.7	235	3	US-09-423-439-58	Sequence 58, Appl
313	456	28.1	104	4	US-07-669-545B-5	Sequence 5, Appl	386	449	27.7	235	4	US-09-011-769A-23	Sequence 23, Appl
314	456	28.1	104	4	US-07-669-545B-6	Sequence 6, Appl	387	448.5	27.7	113	3	US-08-974-899-6	Sequence 6, Appl
315	456	28.1	135	3	US-08-579-378A-16	Sequence 16, Appl	388	448.5	27.7	113	4	US-09-795-798-6	Sequence 6, Appl
316	455	28.1	107	3	US-08-783-853A-11	Sequence 11, Appl	389	448.5	27.7	247	6	5455030-9	Patent No. 5455030
317	455	28.1	107	3	US-09-344-050-11	Sequence 11, Appl	390	448	27.6	109	5	PCT-US94-00261-4	Sequence 4, Appl
318	455	28.1	116	4	US-09-840-459-80	Sequence 80, Appl	391	448	27.6	109	5	PCT-US94-00261-4	Sequence 4, Appl
319	455	28.1	116	4	US-09-497-625A-80	Sequence 80, Appl	392	448	27.6	128	4	US-09-724-138-46	Sequence 46, Appl

393	447.5	27.6	123	4	US-09-560-198A-2	Sequence 2, Appl	466	441	27.2	237	3	US-08-668-706B-5	Sequence 5, Appl
394	447	27.6	124	4	US-09-840-459-81	Sequence 81, Appl	467	441	27.2	237	5	PCT-US95-10740-5	Sequence 5, Appl
395	447	27.6	124	4	US-09-497-625A-81	Sequence 81, Appl	468	441	27.2	244	2	US-08-480-753-4	Sequence 4, Appl
396	446	27.5	106	1	US-07-634-278-58	Sequence 58, Appl	469	440.5	27.2	115	3	US-08-483-749A-6	Sequence 6, Appl
397	446	27.5	106	1	US-08-477-728-58	Sequence 58, Appl	470	440.5	27.2	123	4	US-09-424-840-6	Sequence 6, Appl
398	446	27.5	106	1	US-08-474-040-58	Sequence 58, Appl	471	440.5	27.2	459	1	US-08-157-101A-7	Sequence 7, Appl
399	446	27.5	106	1	US-08-487-200-58	Sequence 58, Appl	472	440	27.1	107	2	US-08-303-569B-28	Sequence 28, Appl
400	446	27.5	106	3	US-08-484-537-58	Sequence 32, Appl	473	440	27.1	107	2	US-08-070-116A-9	Sequence 9, Appl
401	446	27.5	109	2	US-08-379-057-32	Sequence 31, Appl	474	440	27.1	107	2	US-08-116-247-29	Sequence 29, Appl
402	446	27.5	128	1	US-07-634-278-31	Sequence 31, Appl	475	440	27.1	107	4	US-08-557-050-9	Sequence 9, Appl
403	446	27.5	128	1	US-08-477-728-31	Sequence 31, Appl	476	440	27.1	107	4	US-09-795-515-28	Sequence 28, Appl
404	446	27.5	128	1	US-08-474-040-31	Sequence 31, Appl	477	440	27.1	107	4	US-09-348-224-29	Sequence 29, Appl
405	446	27.5	128	1	US-08-487-200-31	Sequence 31, Appl	478	440	27.1	108	3	US-08-881-037-74	Sequence 74, Appl
406	446	27.5	128	1	US-08-476-275-4	Sequence 4, Appl	479	440	27.1	233	2	US-08-480-753-2	Sequence 2, Appl
407	446	27.5	128	3	US-08-484-537-31	Sequence 7, Appl	480	440	27.1	233	3	US-09-041-889-9	Sequence 9, Appl
408	446	27.5	128	3	US-08-475-815B-7	Sequence 4, Appl	481	440	27.1	233	3	US-08-837-058-9	Sequence 9, Appl
409	446	27.5	128	4	US-08-475-813-4	Sequence 13, Appl	482	440	27.1	233	4	US-09-417-264-9	Sequence 9, Appl
410	445.5	27.5	119	1	US-08-211-202-133	Sequence 13, Appl	483	439.5	27.1	113	1	US-07-789-344A-10	Sequence 10, Appl
411	445.5	27.5	123	4	US-08-875-674A-3	Sequence 3, Appl	484	439.5	27.1	120	1	US-07-942-245-35	Sequence 35, Appl
412	445.5	27.5	123	4	US-09-560-198A-4	Sequence 4, Appl	485	439.5	27.1	123	3	US-09-344-587-13	Sequence 13, Appl
413	445.5	27.5	125	4	US-09-840-459-76	Sequence 76, Appl	486	439	27.1	116	5	PCT-US95-07302-10	Sequence 10, Appl
414	445.5	27.5	125	4	US-09-497-625A-76	Sequence 76, Appl	487	439	27.1	122	2	US-07-334-373C-21	Sequence 21, Appl
415	445	27.4	111	1	US-08-211-202-134	Sequence 134, Appl	488	439	27.1	122	3	US-08-437-642B-21	Sequence 21, Appl
416	445	27.4	116	3	US-08-619-491-10	Sequence 10, Appl	489	439	27.1	122	4	US-08-146-206C-21	Sequence 21, Appl
417	445	27.4	118	1	US-08-326-362-2	Sequence 2, Appl	490	439	27.1	122	4	US-09-705-686-21	Sequence 21, Appl
418	445	27.4	127	1	US-08-482-883-80	Sequence 80, Appl	491	439	27.1	122	4	US-09-705-686-21	Sequence 21, Appl
419	445	27.4	127	1	US-08-483-389-80	Sequence 80, Appl	492	439	27.1	122	5	PCT-US93-07832-21	Sequence 21, Appl
420	445	27.4	127	2	US-08-487-113D-80	Sequence 80, Appl	493	439	27.1	122	5	PCT-US93-08435-43	Sequence 43, Appl
421	445	27.4	127	2	US-08-473-503-80	Sequence 80, Appl	494	439	27.1	122	5	US-08-230-843-2	Sequence 2, Appl
422	445	27.4	127	2	US-08-483-932-80	Sequence 80, Appl	495	439	27.1	244	1	US-08-636-936-2	Sequence 2, Appl
423	445	27.4	127	2	US-08-720-420A-80	Sequence 80, Appl	496	439	27.1	244	1	US-08-230-843-2	Sequence 2, Appl
424	445	27.4	127	3	US-08-714-017-80	Sequence 80, Appl	497	438.5	27.0	167	4	US-09-472-087-80	Sequence 80, Appl
425	445	27.4	127	3	US-08-475-680-80	Sequence 80, Appl	498	438	27.0	120	4	US-09-840-459-85	Sequence 85, Appl
426	445	27.4	252	3	US-08-279-772A-6	Sequence 6, Appl	499	438	27.0	120	4	US-09-497-625A-85	Sequence 85, Appl
427	445	27.4	252	3	US-08-902-486-9	Sequence 9, Appl	500	438	27.0	126	3	US-08-983-607-48	Sequence 48, Appl
428	444.5	27.4	121	4	US-09-840-459-92	Sequence 92, Appl	501	438	27.0	231	1	US-08-681-432-1	Sequence 1, Appl
429	444.5	27.4	121	4	US-09-497-625A-92	Sequence 92, Appl	502	437.5	27.0	115	2	US-08-428-197-42	Sequence 42, Appl
430	444	27.4	105	3	US-08-434-000A-12	Sequence 12, Appl	503	437.5	27.0	115	5	PCT-US93-10555-42	Sequence 42, Appl
431	444	27.4	105	3	US-09-312-157-12	Sequence 12, Appl	504	437.5	27.0	117	4	US-09-339-922A-6	Sequence 6, Appl
432	444	27.4	120	2	US-07-934-373C-4	Sequence 4, Appl	505	437.5	27.0	117	4	US-08-791-391A-6	Sequence 6, Appl
433	444	27.4	120	3	US-08-437-642B-4	Sequence 4, Appl	506	437.5	27.0	117	4	US-09-016-061-6	Sequence 6, Appl
434	444	27.4	120	4	US-08-146-206C-4	Sequence 4, Appl	507	437.5	27.0	136	1	US-08-253-877C-57	Sequence 57, Appl
435	444	27.4	120	4	US-09-705-686-4	Sequence 4, Appl	508	437.5	27.0	106	4	US-08-452-164A-57	Sequence 57, Appl
436	444	27.4	120	4	US-09-356-272-3	Sequence 3, Appl	509	437	26.9	106	4	US-09-097-055B-89	Sequence 89, Appl
437	444	27.4	128	1	US-07-946-421-26	Sequence 26, Appl	510	437	26.9	468	4	US-09-828-985B-5	Sequence 5, Appl
438	444	27.4	128	4	US-09-840-459-77	Sequence 77, Appl	511	436.5	26.9	119	3	US-09-157-370-1	Sequence 1, Appl
439	444	27.4	128	4	US-09-497-625A-77	Sequence 77, Appl	512	436.5	26.9	119	1	US-07-988-925-11	Sequence 11, Appl
440	444	27.4	128	4	US-09-437-625A-77	Sequence 77, Appl	513	436.5	26.9	119	2	US-08-362-780-11	Sequence 11, Appl
441	444	27.4	128	4	US-08-449-287-2	Sequence 2, Appl	514	436.5	26.9	119	4	US-08-478-684G-11	Sequence 11, Appl
442	444	27.4	128	4	US-08-331-398A-46	Sequence 46, Appl	515	436.5	26.9	138	2	US-08-379-057-14	Sequence 14, Appl
443	443.5	27.3	110	1	US-08-211-202-117	Sequence 15, Appl	516	436.5	26.9	167	4	US-09-472-087-9	Sequence 9, Appl
444	443.5	27.3	119	4	US-09-648-067A-15	Sequence 15, Appl	517	436	26.9	97	3	US-09-280-028-4	Sequence 4, Appl
445	443.5	27.3	129	3	US-09-240-274-27	Sequence 27, Appl	518	436	26.9	124	5	PCT-US93-08435-14	Sequence 14, Appl
446	443	27.3	129	3	US-08-449-287-2	Sequence 2, Appl	519	436	26.9	122	4	US-09-424-840-16	Sequence 16, Appl
447	442.5	27.3	119	1	US-08-331-398A-46	Sequence 46, Appl	520	436	26.9	213	3	US-08-397-411-12	Sequence 12, Appl
448	442.5	27.3	119	2	US-08-331-397B-46	Sequence 46, Appl	521	436	26.9	263	3	US-09-069-821-3	Sequence 3, Appl
449	442.5	27.3	119	2	US-08-759-804A-46	Sequence 46, Appl	522	436	26.9	263	4	US-09-956-086-3	Sequence 3, Appl
450	442.5	27.3	119	3	US-09-227-693-46	Sequence 46, Appl	523	436	26.9	263	4	US-09-420-592A-6	Sequence 6, Appl
451	442.5	27.3	121	1	US-08-339-582-2	Sequence 2, Appl	524	436	26.9	283	3	US-09-985-442-6	Sequence 6, Appl
452	442.5	27.3	123	4	US-09-560-198A-10	Sequence 10, Appl	525	436	26.9	283	4	US-09-983-580-6	Sequence 6, Appl
453	442	27.3	120	3	US-09-025-769B-38	Sequence 38, Appl	526	436	26.9	283	4	US-08-211-202-110	Sequence 110, Appl
454	442	27.3	120	3	US-09-025-769B-38	Sequence 38, Appl	527	435.5	26.8	105	1	US-08-077-252B-1	Sequence 1, Appl
455	442	27.3	120	4	US-09-490-070A-38	Sequence 38, Appl	528	435.5	26.8	118	3	US-09-002-753A-1	Sequence 1, Appl
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457	442	27.3	120	4	US-09-490-153-38	Sequence 38, Appl	530	435.5	26.8	118	4	US-08-207-996-22	Sequence 22, Appl
458	442	27.3	120	4	US-09-456-090A-54	Sequence 54, Appl	531	435.5	26.8	119	1	US-08-760-840A-22	Sequence 22, Appl
459	442	27.3	225	4	US-09-453-234-54	Sequence 54, Appl	532	435.5	26.8	119	2	US-09-266-119-22	Sequence 22, Appl
460	442	27.3	225	4	US-09-453-234-54	Sequence 54, Appl	533	435.5	26.8	119	3	US-09-602-709-22	Sequence 22, Appl
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462	441	27.2	174	4	US-09-472-087-12	Sequence 12, Appl	535	435	26.8	118	3	US-08-487-761-15	Sequence 15, Appl
463	441	27.2	225	4	US-09-456-090A-96	Sequence 96, Appl	536	435	26.8	126	2	US-08-656-586-6	Sequence 6, Appl
464	441	27.2	225	4	US-09-453-234-96	Sequence 96, Appl	537	434.5	26.8	119	2	US-08-362-780-25	Sequence 25, Appl
465	441	27.2	237	2	US-08-468-252-5	Sequence 5, Appl	538	434.5	26.8	125	4	US-09-840-459-84	Sequence 84, Appl

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OM protein - protein search, using sw model

Run on: December 29, 2004, 01:34:11 ; Search time 163 Seconds
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Title: US-09-403-882A-2

Perfect score: 1622

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	927	57.2	291	15	US-10-406-830-9
4	926	57.1	287	15	US-10-406-830-5
5	913	56.3	242	14	US-10-259-087A-20
6	913	56.3	242	17	US-10-689-006-20
7	907	55.9	353	10	US-09-203-958A-4
8	906.5	55.9	237	10	US-09-880-748-2104
9	906.5	55.9	237	14	US-10-293-418-2104
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11	903.5	55.7	237	14	US-10-293-418-2020
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31	896.5	55.3	237	10	US-09-880-748-2110	Sequence 2110, Ap
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39	894.5	55.1	237	14	US-10-293-418-2040	Sequence 2040, Ap
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44	894	55.1	240	17	US-10-744-774-1	Sequence 1, Appli
45	894	55.1	248	10	US-09-880-748-1421	Sequence 1421, Ap
46	894	55.1	248	14	US-10-293-418-1421	Sequence 1421, Ap
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50	888.5	54.8	243	14	US-10-293-418-1935	Sequence 1935, Ap
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52	885.5	54.6	240	9	US-09-976-787-28	Sequence 28, Appl
53	885.5	54.6	240	9	US-09-865-198-27	Sequence 27, Appl
54	885.5	54.6	240	17	US-10-482-630-27	Sequence 27, Appl
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56	884.5	54.5	243	14	US-10-293-418-1945	Sequence 1945, Ap
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68	873	53.8	492	16	US-10-682-845-75	Sequence 75, Appl
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70	871.5	53.7	247	14	US-10-293-418-1177	Sequence 1177, Ap
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74	869	53.6	492	16	US-10-682-845-61	Sequence 61, Appl
75	868	53.5	492	16	US-10-682-845-73	Sequence 73, Appl
76	868	53.5	492	16	US-10-682-845-79	Sequence 79, Appl
77	867	53.5	409	15	US-10-362-591-2	Sequence 2, Appli
78	867	53.5	492	16	US-10-682-845-59	Sequence 59, Appl
79	867	53.5	492	16	US-10-682-845-69	Sequence 69, Appl
80	867	53.5	492	16	US-10-682-845-87	Sequence 87, Appl
81	867	53.5	492	16	US-10-682-845-87	Sequence 87, Appl
82	867	53.5	500	14	US-10-168-809-22	Sequence 22, Appl
83	866.5	53.4	281	14	US-10-112-788-9	Sequence 9, Appli
84	866.5	53.4	281	15	US-10-435-614-15	Sequence 15, Appl
85	864.5	53.3	239	14	US-09-880-748-1882	Sequence 1882, Ap
86	864.5	53.3	239	14	US-10-293-418-1882	Sequence 1882, Ap

87	864	53.3	258	14	US-10-247-488-4	Sequence 4, Appli	160	818	50.4	244	10	US-09-880-748-280	Sequence 280, App
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91	860.5	53.1	241	10	US-09-880-748-1889	Sequence 1889, Ap	164	814.5	50.2	503	15	US-10-239-656-75	Sequence 75, Appli
92	860.5	53.1	241	14	US-10-293-418-1889	Sequence 1889, Ap	165	814.5	50.2	240	14	US-10-127-890-148	Sequence 148, App
93	860	53.0	492	16	US-10-682-845-81	Sequence 81, Appli	166	813.5	50.2	256	15	US-10-239-656-57	Sequence 57, Appli
94	860	53.0	492	16	US-10-682-845-81	Sequence 81, Appli	166	813.5	50.2	256	15	US-10-239-656-57	Sequence 57, Appli
95	860	53.0	492	16	US-10-682-845-85	Sequence 85, Appli	167	813.5	50.2	499	15	US-10-239-656-73	Sequence 6, Appli
96	859	53.0	492	16	US-10-682-845-85	Sequence 85, Appli	167	813.5	50.2	499	15	US-10-239-656-73	Sequence 6, Appli
97	859	53.0	248	10	US-09-880-748-1004	Sequence 1004, Ap	169	812.5	50.1	252	15	US-10-406-830-6	Sequence 55, Appli
98	859	53.0	495	10	US-10-293-418-1004	Sequence 1004, Ap	169	812.5	50.1	252	15	US-10-239-656-55	Sequence 2105, Ap
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101	857.5	52.9	247	14	US-10-293-418-1923	Sequence 1923, Ap	173	807.5	49.8	247	15	US-10-336-041A-9	Sequence 9, Appli
102	857.5	52.9	556	10	US-08-819-266-28	Sequence 28, Appli	174	807.5	49.8	711	14	US-10-071-485-90	Sequence 90, Appli
103	855.5	52.7	295	15	US-10-406-830-21	Sequence 21, Appli	175	806.5	49.7	541	14	US-10-071-485-85	Sequence 85, Appli
104	855	52.7	256	14	US-10-247-488-2	Sequence 2, Appli	176	803	49.5	240	10	US-09-880-748-2030	Sequence 2030, Ap
105	854.5	52.7	261	17	US-10-689-006-24	Sequence 24, Appli	177	803	49.5	240	14	US-09-880-748-2113	Sequence 2113, Ap
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108	852	52.5	239	14	US-10-162-889-6	Sequence 6, Appli	180	803	49.5	240	10	US-09-880-748-2044	Sequence 2044, Ap
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118	844.5	52.1	243	10	US-09-880-748-1883	Sequence 1883, Ap	189	799.5	49.3	230	17	US-10-470-987-42	Sequence 42, Appli
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131	838	51.7	250	15	US-10-423-847-15	Sequence 15, Appli	202	798.5	49.2	265	17	US-10-689-006-22	Sequence 22, Appli
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137	834	51.4	310	13	US-10-052-798-11	Sequence 11, Appli	208	796.5	49.1	241	15	US-10-336-041A-11	Sequence 11, Appli
138	834	51.4	310	14	US-10-288-917-11	Sequence 11, Appli	209	796.5	49.1	241	15	US-10-336-041A-11	Sequence 11, Appli
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151	820.5	50.6	241	10	US-09-880-748-1932	Sequence 1932, Ap	222	789	48.6	261	16	US-10-642-120-6	Sequence 6, Appli
152	820.5	50.6	241	10	US-09-880-748-2054	Sequence 2054, Ap	223	789	48.6	261	16	US-10-642-122-6	Sequence 6, Appli
153	820.5	50.6	241	14	US-10-293-418-1932	Sequence 1932, Ap	224	789	48.6	261	16	US-10-642-124-6	Sequence 6, Appli
154	820.5	50.6	241	14	US-10-293-418-2054	Sequence 2054, Ap	225	789	48.6	261	16	US-10-621-269-6	Sequence 6, Appli
155	820	50.6	244	10	US-09-880-748-261	Sequence 261, App	226	789	48.6	261	17	US-10-620-850-6	Sequence 6, Appli
156	820	50.6	244	14	US-10-293-418-261	Sequence 261, App	227	789	48.6	261	17	US-10-642-118-6	Sequence 6, Appli
157	819.5	50.5	239	14	US-10-169-351-50	Sequence 50, Appli	228	789	48.6	261	17	US-10-642-117-6	Sequence 6, Appli
158	819	50.5	244	10	US-09-880-748-164	Sequence 164, App	229	789	48.6	261	17	US-10-642-119-6	Sequence 6, Appli
159	819	50.5	244	14	US-10-293-418-164	Sequence 164, App	230	789	48.6	261	17	US-10-642-099-6	Sequence 6, Appli
							231	789	48.6	272	16	US-10-803-622-183	Sequence 183, App
							232	789	48.6	272	16	US-10-803-653-183	Sequence 183, App

233	788	48.6	296	10	US-09-969-748C-12	Sequence 12, Appl	306	766.5	47.3	408	15	US-10-353-721-15	Sequence 15, Appl
234	787	48.6	296	10	US-09-949-039-75	Sequence 75, Appl	307	766.5	47.3	409	15	US-10-353-721-14	Sequence 14, Appl
235	788	48.5	262	10	US-09-880-748-2081	Sequence 2081, Ap	308	766	47.2	238	16	US-10-779-461-1	Sequence 1, Appl
236	787	48.5	262	14	US-10-293-418-2081	Sequence 2081, Ap	309	766	47.2	240	14	US-10-071-485-91	Sequence 91, Appl
237	784	48.3	262	14	US-09-880-748-1898	Sequence 1898, Ap	310	765.5	47.2	241	10	US-09-880-748-2055	Sequence 2055, Ap
238	784	48.3	240	14	US-10-293-418-1898	Sequence 1898, Ap	310	765.5	47.2	241	10	US-10-293-418-2055	Sequence 2055, Ap
239	784	48.3	277	15	US-10-032-0378-203	Sequence 203, App	311	785.5	47.2	241	14	US-09-880-748-1105	Sequence 1105, Ap
240	784	48.3	277	15	US-10-029-9888-203	Sequence 203, App	312	765.5	47.2	249	10	US-10-293-418-1105	Sequence 1105, Ap
241	784	48.3	277	15	US-10-032-423A-203	Sequence 203, App	314	765.5	47.2	259	15	US-10-239-656-53	Sequence 53, Appl
242	784	48.3	277	15	US-10-029-926B-203	Sequence 203, App	315	765	47.2	242	10	US-09-880-748-1884	Sequence 1884, Ap
243	784	48.3	312	13	US-10-052-798-10	Sequence 10, Appl	316	765	47.2	242	14	US-10-293-418-1884	Sequence 1884, Ap
244	784	48.3	312	13	US-10-288-917-10	Sequence 10, Appl	317	765	47.2	250	14	US-10-120-414-72	Sequence 72, Appl
245	784	48.3	312	15	US-10-423-448-10	Sequence 10, Appl	318	784.5	47.1	249	10	US-09-880-748-892	Sequence 892, App
246	782.5	48.2	255	15	US-10-239-656-69	Sequence 69, Appl	319	764.5	47.1	249	14	US-10-293-418-892	Sequence 892, App
247	782.5	48.2	288	15	US-10-363-349-7	Sequence 7, Appl	320	764	47.1	254	10	US-09-880-748-981	Sequence 981, App
248	782	48.2	252	10	US-09-880-748-956	Sequence 956, App	321	764	47.1	254	14	US-10-293-418-981	Sequence 981, App
249	782	48.2	252	14	US-10-293-418-956	Sequence 956, App	322	763.5	47.1	255	10	US-09-880-748-1819	Sequence 1819, Ap
250	781.5	48.2	384	14	US-10-291-265-804	Sequence 804, App	323	783.5	47.1	255	14	US-10-293-418-1819	Sequence 1819, Ap
251	781.5	48.2	384	14	US-10-291-265-805	Sequence 805, App	324	761.5	46.9	245	10	US-09-880-748-1902	Sequence 1902, Ap
252	781.5	48.2	384	14	US-10-291-265-806	Sequence 806, App	325	761.5	46.9	245	14	US-10-293-418-1902	Sequence 1902, Ap
253	781.5	48.2	384	14	US-10-291-265-807	Sequence 807, App	326	761.5	46.9	245	17	US-10-800-197-11	Sequence 11, Appl
254	780	48.1	256	10	US-09-880-748-839	Sequence 839, App	327	761.5	46.9	251	10	US-09-880-748-1114	Sequence 1114, Ap
255	780	48.1	256	14	US-10-293-418-839	Sequence 839, App	328	761.5	46.9	251	14	US-10-293-418-1114	Sequence 1114, Ap
256	779.5	48.1	286	15	US-10-406-830-8	Sequence 8, Appl	329	761	46.9	254	10	US-09-880-748-1701	Sequence 1701, Ap
257	779.5	48.1	665	17	US-10-723-003-62	Sequence 62, Appl	330	761	46.9	254	14	US-10-293-418-1701	Sequence 1701, Ap
258	778.5	48.0	237	10	US-09-880-748-2006	Sequence 2006, Ap	331	760.5	46.9	249	10	US-09-880-748-1102	Sequence 1102, Ap
259	778.5	48.0	237	14	US-10-293-418-2006	Sequence 2006, Ap	332	760.5	46.9	249	14	US-10-293-418-1102	Sequence 1102, Ap
260	778.5	48.0	245	14	US-10-293-418-3241	Sequence 3241, Ap	333	760.5	46.9	482	14	US-10-345-618-16	Sequence 16, Appl
261	778	48.0	252	10	US-09-880-748-988	Sequence 988, App	334	760	46.9	236	10	US-09-880-748-2010	Sequence 2010, Ap
262	778	48.0	252	14	US-10-293-418-988	Sequence 988, App	335	760	46.9	236	14	US-10-293-418-2010	Sequence 2010, Ap
263	778	48.0	277	15	US-10-032-0378-25	Sequence 25, Appl	336	760	46.9	240	10	US-09-880-748-1918	Sequence 1918, Ap
264	778	48.0	277	15	US-10-029-988B-25	Sequence 25, Appl	337	760	46.9	240	14	US-10-293-418-1918	Sequence 1918, Ap
265	778	48.0	277	15	US-10-032-423A-25	Sequence 25, Appl	338	759.5	46.8	245	10	US-09-880-748-1926	Sequence 1926, Ap
266	778	48.0	277	15	US-10-029-926B-25	Sequence 25, Appl	339	759.5	46.8	245	14	US-10-293-418-1926	Sequence 1926, Ap
267	775.5	47.8	237	10	US-09-880-748-2036	Sequence 2036, Ap	340	759.5	46.8	253	14	US-10-120-414-76	Sequence 76, Appl
268	775.5	47.8	237	14	US-10-293-418-2036	Sequence 2036, Ap	341	759.5	46.8	309	13	US-10-052-798-9	Sequence 9, Appl
269	775.5	47.8	251	10	US-09-880-748-1309	Sequence 1309, Ap	342	759.5	46.8	309	14	US-10-288-917-9	Sequence 9, Appl
270	775.5	47.8	251	14	US-10-293-418-1309	Sequence 1309, Ap	343	759.5	46.8	309	15	US-10-423-448-9	Sequence 9, Appl
271	775	47.8	248	9	US-09-920-171-22	Sequence 22, Appl	344	759.5	46.8	661	17	US-10-723-003-28	Sequence 28, Appl
272	775	47.8	248	14	US-10-113-996-22	Sequence 22, Appl	345	759	46.8	246	14	US-10-120-414-80	Sequence 80, Appl
273	774	47.7	252	10	US-09-880-748-1634	Sequence 1634, Ap	346	759	46.8	248	10	US-09-880-748-1890	Sequence 1890, Ap
274	774	47.7	252	14	US-10-293-418-1634	Sequence 1634, Ap	347	759	46.8	248	14	US-10-293-418-1890	Sequence 1890, Ap
275	774	47.7	277	17	US-10-610-843B-1	Sequence 1, Appl	348	758.5	46.8	247	10	US-09-880-748-1330	Sequence 1330, Ap
276	773.5	47.7	253	10	US-09-880-748-936	Sequence 936, App	349	758.5	46.8	247	14	US-10-293-418-1330	Sequence 1330, Ap
277	773.5	47.7	253	14	US-10-293-418-936	Sequence 936, App	350	758.5	46.8	251	17	US-10-800-197-15	Sequence 15, Appl
278	773	47.7	238	10	US-09-880-748-2024	Sequence 2024, Ap	351	758	46.7	254	10	US-09-880-748-1735	Sequence 1735, Ap
279	773	47.7	238	14	US-10-293-418-2024	Sequence 2024, Ap	352	758	46.7	254	14	US-10-293-418-1735	Sequence 1735, Ap
280	772.5	47.6	237	10	US-09-880-748-2112	Sequence 2112, Ap	353	757.5	46.7	249	10	US-09-880-748-397	Sequence 397, App
281	772.5	47.6	237	14	US-10-293-418-2112	Sequence 2112, Ap	354	757.5	46.7	249	10	US-09-880-748-1956	Sequence 1956, Ap
282	772.5	47.6	241	10	US-09-880-748-1888	Sequence 1888, Ap	355	757.5	46.7	249	14	US-10-293-418-397	Sequence 397, App
283	772.5	47.6	241	14	US-10-293-418-1888	Sequence 1888, Ap	356	757.5	46.7	249	14	US-10-293-418-1956	Sequence 1956, Ap
284	772.5	47.6	243	10	US-09-880-748-2102	Sequence 2102, Ap	357	757	46.7	252	10	US-09-880-748-1690	Sequence 1690, Ap
285	772.5	47.6	243	14	US-10-293-418-2102	Sequence 2102, Ap	358	757	46.7	252	14	US-10-293-418-1690	Sequence 1690, Ap
286	771	47.5	248	9	US-09-920-171-23	Sequence 23, Appl	359	757	46.7	254	10	US-09-880-748-1428	Sequence 1428, Ap
287	771	47.5	248	14	US-10-113-996-23	Sequence 23, Appl	360	757	46.7	254	14	US-10-293-418-1428	Sequence 1428, Ap
288	771	47.5	254	10	US-09-880-748-983	Sequence 983, App	361	757	46.7	254	10	US-10-293-418-1428	Sequence 1428, Ap
289	771	47.5	254	14	US-10-293-418-983	Sequence 983, App	362	757	46.7	254	14	US-10-293-418-1759	Sequence 1759, Ap
290	771	47.5	256	10	US-09-880-748-1183	Sequence 1183, Ap	363	757	46.7	367	14	US-10-291-265-899	Sequence 899, App
291	771	47.5	256	14	US-10-293-418-1183	Sequence 1183, Ap	364	756.5	46.6	237	10	US-09-880-748-2039	Sequence 2039, Ap
292	770.5	47.5	243	15	US-10-384-060-27	Sequence 27, Appl	365	756.5	46.6	237	14	US-10-293-418-2039	Sequence 2039, Ap
293	770.5	47.5	243	10	US-10-406-830-19	Sequence 19, Appl	366	756	46.6	250	10	US-09-880-748-883	Sequence 883, App
294	770.5	47.5	249	10	US-09-880-748-1115	Sequence 1115, Ap	367	756	46.6	250	14	US-10-293-418-883	Sequence 883, App
295	770.5	47.5	249	14	US-10-293-418-1115	Sequence 1115, Ap	368	755.5	46.6	243	10	US-09-880-748-2063	Sequence 2063, Ap
296	770.5	47.5	264	14	US-10-114-716A-46	Sequence 46, Appl	369	755.5	46.6	243	14	US-10-293-418-2063	Sequence 2063, Ap
297	770	47.5	252	10	US-09-880-748-1627	Sequence 1627, Ap	370	755.5	46.6	251	10	US-09-880-748-955	Sequence 955, App
298	770	47.5	252	14	US-10-293-418-1627	Sequence 1627, Ap	371	755.5	46.6	251	14	US-10-293-418-955	Sequence 955, App
299	769	47.4	256	10	US-09-880-748-1318	Sequence 1318, Ap	372	755.5	46.6	253	10	US-09-880-748-989	Sequence 989, App
300	769	47.4	256	14	US-10-293-418-1318	Sequence 1318, Ap	373	755.5	46.6	253	14	US-10-293-418-989	Sequence 989, App
301	768.5	47.4	243	16	US-10-779-461-46	Sequence 46, Appl	374	755	46.5	250	10	US-09-880-748-1420	Sequence 1420, Ap
302	767.5	47.3	245	16	US-10-779-461-24	Sequence 24, Appl	375	755	46.5	250	14	US-10-293-418-1420	Sequence 1420, Ap
303	767.5	47.3	268	15	US-10-353-721-2	Sequence 2, Appl	376	755	46.5	252	10	US-09-880-748-1519	Sequence 1519, Ap
304	767	47.3	246	16	US-10-779-461-47	Sequence 47, Appl	377	755	46.5	252	14	US-10-293-418-1519	Sequence 1519, Ap
305	766.5	47.3	243	14	US-10-322-673-53	Sequence 53, Appl	378	754.5	46.5	249	10	US-09-880-748-911	Sequence 911, App

379	754.5	46.5	249	10	US-09-880-748-1119	Sequence 1119, Ap	452	748	46.1	250	14	US-10-293-418-1461	Sequence 1461, Ap
380	754.5	46.5	249	14	US-10-293-418-911	Sequence 911, App	453	748	46.1	250	16	US-10-779-461-8	Sequence 8, Appli
381	754.5	46.5	249	14	US-10-293-418-1119	Sequence 1119, Ap	454	747.5	46.1	251	10	US-09-880-748-1332	Sequence 1332, Ap
382	754.5	46.5	253	10	US-09-880-748-1003	Sequence 1003, Ap	455	747.5	46.1	251	14	US-10-293-418-1332	Sequence 1332, Ap
383	754.5	46.5	253	14	US-10-293-418-1003	Sequence 1003, Ap	456	747	46.1	242	10	US-09-880-748-1949	Sequence 1949, Ap
384	754	46.5	248	10	US-09-880-748-1778	Sequence 1778, Ap	457	747	46.1	242	14	US-10-293-418-1949	Sequence 1949, Ap
385	754	46.5	248	14	US-10-293-418-1778	Sequence 1778, Ap	458	747	46.1	248	10	US-09-880-748-1653	Sequence 1653, Ap
386	754	46.5	250	14	US-10-293-418-1179	Sequence 1179, Ap	459	747	46.1	248	14	US-10-293-418-1653	Sequence 1653, Ap
387	754	46.5	250	14	US-10-293-418-1179	Sequence 1179, Ap	460	746.5	46.0	253	10	US-09-880-748-1000	Sequence 1000, Ap
388	753.5	46.5	239	14	US-09-880-748-2023	Sequence 2023, Ap	461	746.5	46.0	253	14	US-09-880-748-1000	Sequence 1000, Ap
389	753.5	46.5	239	14	US-10-293-418-2023	Sequence 2023, Ap	462	746.5	46.0	280	17	US-10-611-588C-1	Sequence 1, Appli
390	753.5	46.5	249	10	US-09-880-748-1108	Sequence 1108, Ap	463	746	46.0	242	10	US-09-880-748-1580	Sequence 1580, Ap
391	733.5	46.5	249	10	US-09-880-748-1117	Sequence 1117, Ap	464	746	46.0	242	14	US-10-293-418-1580	Sequence 1580, Ap
392	753.5	46.5	249	14	US-10-293-418-1108	Sequence 1108, Ap	465	745.5	46.0	240	15	US-10-062-188-9	Sequence 9, Appli
393	753.5	46.5	249	14	US-10-293-418-1117	Sequence 1117, Ap	466	745.5	46.0	245	16	US-10-779-461-59	Sequence 59, Appli
394	753.5	46.5	255	10	US-09-880-748-1608	Sequence 1608, Ap	467	745.5	46.0	251	10	US-09-880-748-1921	Sequence 1921, Ap
395	753.5	46.5	255	14	US-10-293-418-1608	Sequence 1608, Ap	468	745.5	46.0	251	14	US-10-293-418-1921	Sequence 1921, Ap
396	753	46.4	246	16	US-10-779-461-45	Sequence 45, Appli	469	745.5	46.0	253	10	US-09-880-748-1814	Sequence 1814, Ap
397	753	46.4	250	10	US-09-880-748-932	Sequence 932, App	470	745.5	46.0	253	14	US-10-293-418-1814	Sequence 1814, Ap
398	753	46.4	250	14	US-10-293-418-932	Sequence 932, App	471	745	45.9	248	10	US-09-880-748-1008	Sequence 1008, Ap
399	753	46.4	252	10	US-09-880-748-1311	Sequence 1311, Ap	472	745	45.9	248	14	US-10-293-418-1008	Sequence 1008, Ap
400	753	46.4	252	14	US-10-293-418-1311	Sequence 1311, Ap	473	745	45.9	254	10	US-09-880-748-971	Sequence 971, App
401	752.5	46.4	247	14	US-10-120-414-81	Sequence 81, Appli	474	745	45.9	254	14	US-10-293-418-971	Sequence 971, App
402	752.5	46.4	249	10	US-09-880-748-974	Sequence 974, App	475	744.5	45.9	243	14	US-10-322-673-55	Sequence 55, Appli
403	752.5	46.4	249	10	US-09-880-748-1113	Sequence 1113, Ap	476	744.5	45.9	247	10	US-09-880-748-1928	Sequence 1928, Ap
404	752.5	46.4	249	14	US-09-880-748-1118	Sequence 1118, Ap	477	744.5	45.9	247	14	US-10-293-418-1928	Sequence 1928, Ap
405	752.5	46.4	249	14	US-10-293-418-974	Sequence 974, App	478	744.5	45.9	251	10	US-09-880-748-925	Sequence 925, App
406	752.5	46.4	249	14	US-10-293-418-1113	Sequence 1113, Ap	479	744.5	45.9	251	14	US-10-293-418-925	Sequence 925, App
407	752.5	46.4	249	14	US-10-293-418-1118	Sequence 1118, Ap	480	744.5	45.9	253	10	US-09-880-748-1091	Sequence 1091, Ap
408	752.5	46.4	251	14	US-10-293-418-1345	Sequence 1345, Ap	481	744.5	45.9	253	14	US-10-293-418-1091	Sequence 1091, Ap
409	751.5	46.3	249	10	US-09-880-748-512	Sequence 512, App	482	744	45.9	254	10	US-09-880-748-881	Sequence 881, App
410	751.5	46.3	249	14	US-10-293-418-512	Sequence 512, App	483	744	45.9	254	14	US-10-293-418-881	Sequence 881, App
411	751.5	46.3	253	10	US-09-880-748-1449	Sequence 1449, Ap	484	743.5	45.8	249	10	US-09-880-748-1110	Sequence 1110, Ap
412	751.5	46.3	253	14	US-10-293-418-1449	Sequence 1449, Ap	485	743.5	45.8	249	14	US-10-293-418-1110	Sequence 1110, Ap
413	751	46.3	246	10	US-09-880-748-1314	Sequence 1314, Ap	486	743.5	45.8	251	10	US-09-880-748-908	Sequence 908, App
414	751	46.3	246	14	US-10-293-418-1314	Sequence 1314, Ap	487	743.5	45.8	251	14	US-10-293-418-908	Sequence 908, App
415	750.5	46.3	249	10	US-09-880-748-1111	Sequence 1111, Ap	488	743.5	45.8	253	10	US-09-880-748-854	Sequence 854, App
416	750.5	46.3	249	14	US-09-880-748-1111	Sequence 1111, Ap	489	743.5	45.8	253	14	US-10-293-418-854	Sequence 854, App
417	750.5	46.3	249	14	US-10-293-418-1120	Sequence 1120, Ap	490	743	45.8	248	10	US-09-880-748-1782	Sequence 1782, Ap
418	750.5	46.3	249	14	US-10-293-418-1111	Sequence 1111, Ap	491	743	45.8	248	14	US-10-293-418-1782	Sequence 1782, Ap
419	750.5	46.3	249	14	US-09-880-748-1317	Sequence 1317, Ap	492	743	45.8	260	10	US-09-880-748-1458	Sequence 1458, Ap
420	750.5	46.3	251	14	US-10-293-418-1317	Sequence 1317, Ap	493	743	45.8	260	14	US-10-293-418-1458	Sequence 1458, Ap
421	750.5	46.3	278	17	US-10-610-843B-2	Sequence 2, Appli	494	743	45.8	267	9	US-09-766-543-10	Sequence 10, Appli
422	750	46.2	248	10	US-09-880-748-1446	Sequence 1446, Ap	495	743	45.8	622	15	US-10-378-832A-2	Sequence 2, Appli
423	750	46.2	248	14	US-10-293-418-1446	Sequence 1446, Ap	496	742.5	45.8	239	10	US-09-880-748-2022	Sequence 2022, Ap
424	750	46.2	250	10	US-09-880-748-1341	Sequence 1341, Ap	497	742.5	45.8	239	14	US-10-293-418-2022	Sequence 2022, Ap
425	750	46.2	250	14	US-09-880-748-1613	Sequence 1613, Ap	498	742.5	45.8	242	14	US-10-336-210-5	Sequence 5, Appli
426	750	46.2	250	10	US-10-293-418-1341	Sequence 1341, Ap	499	742.5	45.8	243	10	US-09-880-748-1943	Sequence 1943, Ap
427	750	46.2	250	14	US-10-293-418-1613	Sequence 1613, Ap	500	742.5	45.8	243	14	US-10-293-418-1943	Sequence 1943, Ap
428	750	46.2	258	10	US-09-880-748-1841	Sequence 1841, Ap	501	742.5	45.8	249	10	US-09-880-748-926	Sequence 926, App
429	750	46.2	258	14	US-10-293-418-1841	Sequence 1841, Ap	502	742.5	45.8	249	14	US-10-293-418-926	Sequence 926, App
430	749.5	46.2	247	10	US-09-880-748-1934	Sequence 1934, Ap	503	742.5	45.8	253	10	US-09-880-748-880	Sequence 880, App
431	749.5	46.2	247	14	US-10-322-673-48	Sequence 48, Appli	504	742.5	45.8	253	10	US-09-880-748-1089	Sequence 1089, Ap
432	749.5	46.2	247	14	US-10-293-418-1934	Sequence 1934, Ap	505	742.5	45.8	253	10	US-09-880-748-1094	Sequence 1094, Ap
433	749.5	46.2	251	10	US-09-880-748-1594	Sequence 1594, Ap	506	742.5	45.8	253	14	US-10-293-418-1094	Sequence 1094, Ap
434	749.5	46.2	251	14	US-10-293-418-1594	Sequence 1594, Ap	507	742.5	45.8	253	10	US-09-880-748-1097	Sequence 1097, Ap
435	749.5	46.2	253	10	US-09-880-748-1007	Sequence 1007, Ap	508	742.5	45.8	253	10	US-09-880-748-1098	Sequence 1098, Ap
436	749.5	46.2	253	10	US-09-880-748-1200	Sequence 1200, Ap	509	742.5	45.8	253	14	US-10-293-418-1432	Sequence 1432, Ap
437	749.5	46.2	253	14	US-10-293-418-1007	Sequence 1007, Ap	510	742.5	45.8	253	14	US-10-293-418-880	Sequence 880, App
438	749.5	46.2	253	14	US-10-293-418-1200	Sequence 1200, Ap	511	742.5	45.8	253	14	US-10-293-418-1089	Sequence 1089, Ap
439	749	46.2	240	10	US-09-880-748-1930	Sequence 1930, Ap	512	742.5	45.8	253	14	US-10-293-418-1097	Sequence 1097, Ap
440	749	46.2	240	10	US-09-880-748-2047	Sequence 2047, Ap	513	742.5	45.8	253	14	US-10-293-418-1097	Sequence 1097, Ap
441	749	46.2	240	14	US-10-293-418-1930	Sequence 1930, Ap	514	742.5	45.8	253	14	US-10-293-418-1098	Sequence 1098, Ap
442	749	46.2	240	14	US-10-293-418-2047	Sequence 2047, Ap	515	742.5	45.8	268	14	US-10-293-418-1432	Sequence 1432, Ap
443	749	46.2	252	10	US-09-880-748-1731	Sequence 1731, Ap	516	742.5	45.8	268	14	US-10-270-071-32	Sequence 32, Appli
444	749	46.2	252	14	US-10-293-418-1731	Sequence 1731, Ap	517	742.5	45.8	268	14	US-10-328-190-2	Sequence 2, Appli
445	748.5	46.1	249	10	US-09-880-748-896	Sequence 896, App	518	742	45.7	252	14	US-10-328-190-4	Sequence 4, Appli
446	748.5	46.1	249	14	US-10-293-418-896	Sequence 896, App	519	742	45.7	252	14	US-09-880-748-1394	Sequence 1394, Ap
447	748.5	46.1	249	16	US-10-803-622-190	Sequence 190, App	520	742	45.7	254	10	US-10-293-418-1394	Sequence 1394, Ap
448	748.5	46.1	249	16	US-10-803-653-190	Sequence 190, App	521	742	45.7	254	10	US-09-880-748-977	Sequence 977, App
449	748.5	46.1	251	10	US-09-880-748-1605	Sequence 1605, Ap	522	742	45.7	254	14	US-10-293-418-977	Sequence 977, App
450	748.5	46.1	251	14	US-10-293-418-1605	Sequence 1605, Ap	523	742	45.7	254	14	US-10-293-418-1625	Sequence 1625, Ap
451	748	46.1	250	10	US-09-880-748-1461	Sequence 1461, Ap	524	742	45.7	256	10	US-09-880-748-1604	Sequence 1604, Ap